



PROFESSIONAL

SAMSON
CONTRACTOR & INSTALL CATALOG



AUDIO



SOLUTIONS



HOUSES OF WORSHIP | FITNESS CENTERS | RETAIL SPACES | RESTAURANTS | SPAS | CLUBS | THEATERS
 CONCERT HALLS | CLASSROOMS | BOARDROOMS | GOVERNMENT | SECURITY | EDUCATION | PARKS



ABOUT SAMSON TECHNOLOGIES

Samson began over 25 years ago as an audio technology company designing affordable wireless microphone systems. Today, we are an industry leader, with over 350 audio products sold in over 100 countries throughout the world.

As the sound installation business has expanded, the need for reliable products that deliver real value is more pervasive than ever. Samson delivers professional audio solutions with a versatile line of dependable products for the education, retail, government and house of worship markets.

And with the exceptional reliability and performance associated with Samson products, you can be assured that once the job is complete, your customer's satisfaction is guaranteed, because we stand behind every Samson product with a three-year warranty.

At Samson, diversity is an integral part of our product development, which is why our audio gear fits such an impressive range of functions. For any variety of applications in any number of settings, Samson can accommodate your installed audio needs with professional, dependable results.



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MIXERS

SAMSON PROFESSIONAL AUDIO SOLUTIONS

TYPE:

ZONE MIXERS

DISTRIBUTED SOUND



(TCM3 FM TUNER / CD PLAYER SHOWN)

NEW FOR 2008!

ZM125 ZONE MIXER

The ZM125 mixer provides an ideal solution for small to medium size commercial sound system installations. It's perfect for any place high-quality distributed audio is needed.

- Six mic/line inputs on 1/4-inch XLR and RCA connectors
- 125 watt power amplifier
- Built-in seven-band graphic equalizer
- Three layer priority muting system
- Remote microphone connection
- Built-in announcement chime with four selectable tones
- M.O.H. (Music On Hold) input and output
- Telephone paging input on a Euroblock terminal
- Phantom power on mic channels 1 and 2
- Tabletop or standard 19-inch rackmount installation
- Also available: TCM3 FM tuner / CD player

TECHNICAL SPECIFICATIONS

Frequency Response

At 1 watt from speaker out tap 100 Hz-10 kHz:
+1.5 dB / -3 dB

S/N Ratio at Rated Power

Better than 90 dB

Crosstalk

-70 dB at 1 kHz

THD at 1 kHz Rated Power

Less than .5%

Power Bandwidth from Speaker Tap

80 Hz-15 kHz with <0.5%THD

DC Output Offset

Less than ±3mV

Phantom Power

15VDC

Output Voltage and Impedance

4Ω: 22V
25V: 5.2Ω
70V: 41Ω
100V: 83Ω

Cooling

Convection Cooled

Dimensions (W, D, H)

16.5" × 13.5" × 3.5"
420mm × 343mm × 88mm

Weight

21.5 lbs • 9.76 kg



NEW FOR 2008!

ZM75 ZONE MIXER

- Six mic/line inputs on 1/4-inch XLR and RCA connectors
- 75 watt power amplifier
- Built-in seven-band graphic equalizer
- Three layer priority muting system
- Remote microphone connection
- Built-in announcement chime with four selectable tones
- M.O.H. (Music On Hold) input and output
- Telephone paging input on a Euroblock terminal
- Phantom power on mic channels 1 and 2
- Tabletop or standard 19-inch rackmount installation
- Also available: TCM3 FM tuner / CD player

TECHNICAL SPECIFICATIONS

Frequency Response

At 1 watt from speaker out tap 100 Hz-10 kHz:
+1.5 dB / -3 dB

S/N Ratio at Rated Power

Better than 90 dB

Crosstalk at all Controls (maximum)

-70 dB at 1 kHz

THD at 1 kHz Rated Power

Less than .5%

Power Bandwidth from Speaker Tap

80 Hz-15 kHz with <0.5%THD

DC Output Offset

Less than ±3mV

Operation Temp/Humidity at Non-Condensing

34°-104°F (0°-40°C) at 95% Humidity

Phantom Power

15VDC

Output Voltage and Impedance

4Ω: 15.5V
25V: 10Ω
70V: 82Ω
100V: 165Ω

Cooling

Convection Cooled

Dimensions (W, D, H)

16.5" × 13.5" × 3.5"
420mm × 343mm × 88mm

Weight

19.21 lbs • 8.72 kg



S-ZONE MULTI-ZONE STEREO MIXER

Front panel monitoring allows you to assign and listen to any of the four zones with the built-in speaker or headphones.

- 4-channel / 4 zone stereo mixer
- 2 mic/stereo line inputs with ducking
- 2 stereo CD/line inputs
- Front panel micro-speaker and headphone jack for zone monitoring
- Euroblock output connectors
- Remote volume control

TECHNICAL SPECIFICATIONS

Input

Euroblock balanced inputs
2 microphone balanced; 4 aux/line balanced

Impedance

22kΩ balanced

Max. Input Level

+14 dBu balanced

Output

Euroblock balanced outputs (4 zone)

Max. Output Level

+8 dBu balanced

Frequency Response

10 Hz - 40 kHz ; +4 dBu

Power Inlet

Standard IEC receptacle/with fuse

Dimensions (W, D, H)

19" × 10" × 1.75"
482.6mm × 254mm × 44.45mm

Weight

6.75 lbs • 3.06 kg

DISTRIBUTED SOUND



NEW FOR 2008!

SZ480 FOUR-CHANNEL POWER AMPLIFIER

Advanced technology, clear sound and lightweight, reliable performance make the SZ480 ideal for any distributed power application.

- Delivers 120 watts RMS output per channel at 4 ohms or 65 watts per channel at 8 ohms
- Class D power amplifier
- Universal power supply voltage range (AC100V – 240V) with PFC power supply
- Constant Voltage Output (70V, 100V and 4/8Ω)
- Over Current Protection
- Over Temperature Protection
- Power supply protection
- Easy installation with Euroblock terminals
- Built-in voltage limiters for each channel with DIP switches

TECHNICAL SPECIFICATIONS

Input Sensitivity (balanced line input)
1.0+0.2Vrms/10kΩ
Maximum Input
+22 dBu
Frequency Response (50 Hz–18 kHz)
+1.5/-3 dB
Dynamic Range
>90 dB A-weighted, typical
THD+N
Less than 5%
Rated Output (THD+N 5%)
≥120 watts
S/N Ratio
≥90 dB
Residual Noise
≤ -70 dB
AC Mains
100 to 240 VAC ±10%, 50 or 60 Hz

Construction
All steel
Transformer Rating
120 W
Output Tap 1 (voltage)
70.7 Vrms 50Ω load
Output Tap 2 (voltage)
100 Vrms 100Ω load
Output Tap 3 (voltage)
20 Vrms 4Ω load
Connectors
Euroblock
Dimensions (W, D, H)
19" × 16" × 3.5"
483mm × 408mm × 89mm
Weight
32 lbs • 14.5 kg



NEW FOR 2008!

SZ240 TWO-CHANNEL POWER AMPLIFIER

Advanced technology, clear sound and lightweight, reliable performance make the SZ240 ideal for any distributed power application.

- Delivers 120 watts RMS output per channel at 4 ohms or 65 watts per channel at 8 ohms
- Class D power amplifier
- Universal power supply voltage range (AC100V – 240V) with PFC power supply
- Constant Voltage Output (70V, 100V and 4/8 ohms)
- Over Current Protection
- Over Temperature Protection
- Power supply protection
- Easy installation with Euroblock terminals
- Built-in voltage limiters for each channel with DIP switches

TECHNICAL SPECIFICATIONS

Input Sensitivity (balanced line input)
1.0+0.2Vrms/10kΩ
Maximum Input
+22 dBu
Frequency Response (50 Hz–18 kHz)
+1.5/-3 dB
Dynamic Range
>90 dB A-weighted, typical
THD+N
Less than 5%
Rated Output (THD+N 5%)
≥120 W
S/N Ratio
≥90 dB
Residual Noise
≤ -70 dB
AC Mains
100 to 240 VAC ±10%, 50 or 60 Hz

Construction
All steel
Transformer Rating
120 W
Output Tap 1 (voltage)
70.7 Vrms 50Ω load
Output Tap 2 (voltage)
100 Vrms 100Ω load
Output Tap 3 (voltage)
20 Vrms 4Ω load
Connectors
Euroblock
Dimensions (W, D, H)
19" × 16" × 3.5"
483mm × 408mm × 89mm
Weight
22.5 lbs • 10.2 kg



NEW FOR 2008!

SZ1120 ZONE POWER AMPLIFIER

The Samson SZ zone amplifiers were designed to provide clean output with low distortion, along with the dependability demanded by professional design engineers and audio installers.

- Delivers 120 watts of power @ 4 ohms
- Built-in 70/100 volt output transformers with flat frequency response from 70 Hz to 18 kHz
- Rear panel level control for adjustments from -12 dB to 0 dB
- LED signal indicators display power output levels
- Forced air cooling via internal fan
- Protection circuitry with dedicated LEDs
- Input connection made using standard male XLR connector to accommodate balanced signal sources
- Output connections made using Euroblock connectors which accept 12 gauge wire
- Fits into any standard 19-inch rack
- Rugged all-steel chassis with sleek black finish

TECHNICAL SPECIFICATIONS

Rated Output Power (at THD 1.0%, 1 kHz)
4Ω: 120 W
Gain Control
-12 dB to 0 dB
Input Sensitivity
1.0 ± 0.1 volts (RMS) 10kΩ
High-Pass Filter (at 400 Hz)
-3 dB: 12 dB per octave
Frequency Response
+1.5 / -3 dB at 70 Hz-18 kHz
S/N Ratio
Better than 90 dB
THD at 1/2 Rated Output, 1 kHz
Less than 1.0%

Cooling
Variable speed fan
Operating Temperature/Humidity
0° - 40°C at 95% non-condensing
Power Consumption at Full Power
185 W
Power Requirement
AC100V-240V, 50/60 Hz and/or DC24V
Dimensions (W, D, H)
19" × 13.25" × 3.5"
483mm × 337mm × 90mm
Weight
28.6 lbs • 12.9 kg



SZ1240 ZONE POWER AMPLIFIER

- Delivers 240 watts @ 4 ohms



SZ1360 ZONE POWER AMPLIFIER

- Delivers 360 watts @ 4 ohms

RACKMOUNT AMPLIFIERS



AMPLIFIERS

SAMSON PROFESSIONAL AUDIO SOLUTIONS

TYPE:

SERVO SERIES



SERVO 201a

NEW FOR 2008!

SERVO 201a POWER AMPLIFIER

The Servo 201a is a stereo power amplifier optimized for use in both professional and project recording studios as well as live performance applications.

- Single-space 19-inch rackmount servo controlled power amplifier
- 100 watts per side at 4 ohms (stereo)
- 200 watts at 8 ohms (bridged mono)
- 1/4-inch balanced phone jack and RCA inputs
- Bi-polar design and toroidal transformer power supply
- Individual left and right level controls
- 10-segment, 3-color LED meters
- Headphone jack with speaker output mute

TECHNICAL SPECIFICATIONS

Frequency Response

10 Hz – 20 kHz +0, -0.5 dB
3 Hz – 65 kHz +0, -3.0 dB

Rated Output Power per Channel Stereo (@ 1 kHz)

4Ω, <0.05% THD+N: 100 W
8Ω, <0.05% THD+N: 65 W

Rated Output Power per Channel Bridge Mono (@ 1 kHz)

8Ω, <0.05% THD+N: 200 W

Typical Distortion per Channel

THD+N (80 kHz LPF @ 1 kHz rated output power): 0.01%
IMD (SMPTE 4:1, 60 Hz & 7 kHz @ rated output power): 0.03%

S/N Ratio

22 Hz – 22 kHz bandwidth @ 1 dB below rated output power: 105 dB

Input Sensitivity

-10 dBV on the RCA inputs, +4 dBu on the 1/4" inputs to achieve rated power (level control set to max)

Crosstalk (adjacent channels)

-75 dB, 1 kHz

Output DC Offset Voltage

± 50 mV, DC servo controlled

Headphone Output Level

500 mW (into 100Ω @ 1% THD+N)

Dimensions (W, D, H)

17.5" × 11.5" × 1.75"
444mm × 292mm × 44mm

Weight

14.5 lbs • 6.58 kg

SERVO 120a POWER AMPLIFIER

- Single-space 19-inch rackmount servo controlled power amplifier
- 60 watts per side at 4 ohms (stereo)
- 120 watts at 8 ohms (bridged mono)
- 1/4-inch balanced phone jack and RCA inputs
- Bi-polar design and toroidal transformer power supply
- Individual left and right level controls
- 10-segment, 3-color LED meters
- Convection-cooled design
- Headphone jack with speaker output mute

TECHNICAL SPECIFICATIONS

Frequency Response

10 Hz – 20 kHz +0, -0.5 dB
3 Hz – 65 kHz +0, -3.0 dB

Rated Output Power per Channel Stereo (@ 1 kHz)

4Ω, <0.05% THD+N: 60 W
4Ω, 1% THD+N: 80 W

8Ω, <0.05% THD+N: 50 W

8Ω, 1% THD+N: 55 W

Rated Output Power per Channel Bridge Mono (@ 1 kHz)

8Ω, <0.05% THD+N: 120 W
8Ω, 1% THD+N: 150 W

Typical Distortion per Channel

THD+N (80 kHz LPF @ 1 kHz rated output power): 0.01%
IMD (SMPTE 4:1, 60 Hz & 7 kHz @ rated output power): 0.03%

S/N Ratio

22 Hz – 22 kHz bandwidth @ 1 dB below rated output power: 105 dB

Input Sensitivity

-10 dBV on the RCA inputs, +4 dBu on the 1/4" inputs to achieve rated power (level control set to max)

Crosstalk (adjacent channels)

-75 dB, 1 kHz

Output DC Offset Voltage

± 50 mV, DC servo controlled

Headphone Output Level

400 mW (into 100Ω @ 1% THD+N)

Dimensions (W, D, H)

19" × 11.5" × 1.75"
483mm × 292mm × 44mm

Weight

15.4 lbs • 7 kg



SERVO 200 POWER AMPLIFIER

- 2 × 66 watts @ 8 ohms, 2 × 100 watts @ 4 ohms
- Bridge Mode: 200 watts @ 8 ohms
- 1/4-inch and RCA input connectors
- 5-way binding post and 1/4-inch outputs
- Dual rackspace design
- 10-segment, 3-color LED meters
- 4-stage power protection circuitry
- Independent input level controls for each channel
- Forced air cooling via two temperature-sensitive variable speed fans
- Unique stable bipolar design

TECHNICAL SPECIFICATIONS

Stereo (both channels driven)

8Ω: 2 × 66 watts
4Ω: 2 × 100 watts

Bridged Mono

8Ω: 200 watts

S/N Ratio (20Hz – 20kHz)

102 dB

Distortion (SMPTE-IM)

0.05%

Input Sensitivity @ 8

1.24V (4 dBu)

Voltage Gain

32 dB

Output Circuitry Class

AB

Distortion (typical @ 4Ω)

20 Hz – 20 kHz, 10 dB below rated power: 0.01%
1 kHz, rated power: 0.1%

Frequency Response

At 8Ω, 1 watt, 20 Hz – 20 kHz: +0/-0.5 dB

Damping Factor (400Hz)

280

Input Impedance

15kΩ unbalanced, 30kΩ balanced

Input Clipping

10 Vrms (22 dBu)

Cooling

Variable speed fan, forced air

Connectors (each channel)

Input: RCA unbalanced and 1/4" (6.3mm) TRS, balanced Output: 5-way binding post and 1/4" phone

Controls

AC power switch, channel 1 and 2 volume

Indicators

Power On (blue), Protection (amber), Signal (green) for each Ch., Peak (red) for each Ch. Level: -24 dB, -20 dB, -16 dB, -12 dB, -8 dB, -4 dB, -2 dB, 0, +2 dB and +4 dB (PEAK)

Protection

Short Circuit, Thermal, Current Limit, DC Offset, Current Inrush, RF Protection, Turn On/Turn Off Muting

Power Requirements

115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)

19" × 11.7" × 3.5"
483mm × 89mm × 297mm

Weight

15 lbs • 6.82 kg

SERVO 300 POWER AMPLIFIER

- 2 × 100 watts @ 8 ohms, 2 × 150 watts @ 4Ω

SERVO 600 POWER AMPLIFIER

- 2 × 225 watts @ 8 ohms, 2 × 300 watts @ 4Ω

RACKMOUNT AMPLIFIERS



SAMSON PROFESSIONAL AUDIO SOLUTIONS

AMPLIFIERS

TYPE:
PG
SERIES



NEW FOR 2008!

PG2200 POWER AMPLIFIER

Impressive power, reliable performance and seamless operation make the PG amplifiers perfect for driving professional audio systems of any size.

- Professional Class A/B power amplifier
- 280 watts per side @ 8 ohms
- 500 watts per side @ 4 ohms
- 1000 watts per side @ 2 ohms
- 2200 watts bridged mono @ 4 ohms
- Parallel, stereo and bridged mono output modes
- Dual variable-speed fan cooling system
- 3-stage protection circuitry with LED indicators

TECHNICAL SPECIFICATIONS

Power Specifications
Stereo Mode (Both Channels Driven)
20 Hz – 20 kHz:
8Ω: 2 x 280W
4Ω: 2 x 500W
2Ω: 2 x 1000W
Bridge Mono Mode:
8Ω: 1000W
4Ω: 2200W

Input Sensitivity
1.22V (+4 dBu)

Input Impedance
10kΩ unbalanced, 20kΩ balanced

Frequency Response
25 Hz-25 kHz +0/-1 dB;
-3 dB points: 5 Hz-50 kHz

Voltage Gain
32 dB

Distortion (SMPTE-1M)
<0.03%

S/N Ratio
100 dB

Protection
Full short circuit, open circuit, thermal, ultrasonic and RF protection stable into reactive or mismatched loads, turn ON/OFF, muting

Controls
Front: AC switch, input level control for each channel
Rear: mode/stereo/parallel/bridge selector, LP 30 Hz filter selector, LIMITER ON/OFF selector

Indicators
SIGNAL: 2 green LED; CLIP: 2 red LED; POWER: 1 Blue LED; PROTECTION: 1 red LED

Connectors
Input: Active balanced XLR and 1/4" (6.3mm) TRS
Output: "Touch-proof" binding posts and Speakon® jacks

Power Supply
Available for 110-120V or 220-240V AC, 50/60 Hz

Dimensions (W, D, H)
19" x 15.7" x 3.5"
483mm x 400mm x 88.8mm

Weight
32.5 lbs • 14.74 kg



NEW FOR 2008!

PG3800 POWER AMPLIFIER

- Professional Class A/B power amplifier
- 560 watts per side @ 8 ohms
- 900 watts per side @ 4 ohms
- 1800 watts per side @ 2 ohms
- 3800 watts bridged mono @ 4 ohms
- Parallel, stereo and bridged mono output modes
- Dual variable-speed fan cooling system
- 3-stage protection circuitry with LED indicators

TECHNICAL SPECIFICATIONS

Power Specifications
Stereo Mode (Both Channels Driven)
20 Hz – 20 kHz:
8Ω: 2 x 560W
4Ω: 2 x 900W
2Ω: 2 x 1800W
Bridge Mono Mode:
8Ω: 1800W
4Ω: 3800W

Input Sensitivity
1.22V (+4 dBu)

Input Impedance
10kΩ unbalanced, 20kΩ balanced

Frequency Response (at 10 dB below rated output power)
25 Hz-25 kHz +0/-1 dB;
-3 dB points: 5 Hz-50 kHz

Voltage Gain
34 dB

Distortion (SMPTE-1M)
<0.03%

S/N Ratio
100 dB

Protection
Full short circuit, open circuit, thermal, ultrasonic and RF protection stable into reactive or mismatched loads, turn ON/OFF, muting

Controls
Front: AC switch, input level control for each channel
Rear: mode/stereo/parallel/bridge selector, LP 30 Hz filter selector, LIMITER ON/OFF selector

Indicators
SIGNAL: 2 green LED; CLIP: 2 red LED; POWER: 1 Blue LED; PROTECTION: 1 red LED

Connectors
Input: Active balanced XLR and 1/4" (6.3mm) TRS
Output: "Touch-proof" binding posts and Speakon® jacks

Power Supply
Available for 110-120V or 220-240V AC, 50/60 Hz

Dimensions (W, D, H)
19" x 15.7" x 3.5"
483mm x 400mm x 88.8mm

Weight
45.2 lbs • 20.55 kg



RACKMOUNT AMPLIFIERS



SX1200 POWER AMPLIFIER

Cool and efficient amplifiers that provide clean power to effectively drive your mid-sized PA, monitor fills or fixed installation.

- Professional class AB power amplifier
- 300 watts per side @ 8 ohms
- 450 watts per side @ 4 ohms
- 900 watts bridged mono @ 8 ohms
- Dual variable-speed fan cooling system
- Signal, Peak, and Protection circuit indicators
- 5-way binding post and Speakon® speaker outputs
- XLR and TRS input connections
- Dual rackspace design

TECHNICAL SPECIFICATIONS

Frequency Response (-3 dB)
5 Hz to 60 kHz

Signal to noise (20 Hz-20 kHz)
102 dB

Distortion THD (1 kHz, rated power)
< .01%

Voltage Gain (4 ohm, 1 kHz)
32 dB

Input Sensitivity @ 8Ω
1.22V (+4 dBu)

Output Circuitry
Class AB

Damping Factor (400 Hz)
280

Current Consumption (115 VAC)
@ 1/8 rated power 4Ω; 6.3A
@ 1/3 rated power 4Ω; 9.5A
@ rated power 4Ω max; 15.5A

Input Impedance
15k unbalanced; 30k balanced

Input Clipping
10Vrms (22 dBu)

Cooling
Continuously variable-speed fan

Connectors
Input: active balanced XLR / ¼" TRS combo
Output: 5-way binding post and Speakon®

Controls
AC power switch; channel 1 and 2 volume control

Indicators
Power on (blue); protection (amber) signal each channel (green); peak each channel (red)

Protection
Short circuit, thermal, current limit, DC offset, current inrush, RF protection, on/off muting

Power Requirements
100, 115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)
19" x 16" x 3.5"
483mm x 408mm x 89mm

Weight
33 lbs • 14.8 kg



SX1800 POWER AMPLIFIER

- Professional class AB power amplifier
- 400 watts per side @ 8 ohms
- 600 watts per side @ 4 ohms
- 1200 watts bridged mono @ 8 ohms
- Dual variable-speed fan cooling system
- Signal, Peak, and Protection circuit indicators
- 5-way binding post and Speakon® speaker outputs
- XLR and TRS Input Connections
- Dual rackspace design

TECHNICAL SPECIFICATIONS

Frequency Response (-3 dB)
20 Hz to 20 kHz

Signal to Noise (20 Hz-20 kHz)
102 dB

Distortion THD (1 kHz, rated power)
< .01%

Voltage Gain (4 ohm, 1 kHz)
33 dB

Input Sensitivity @ 8Ω
1.22V (+4 dBu)

Output Circuitry
Class AB

Damping Factor (400 Hz)
280

Current Consumption (115 VAC)
@ 1/8 rated power 4Ω; 7.2A
@ 1/3 rated power 4Ω; 12A
@ rated power 4Ω max; 19.5A

Input Impedance
15k unbalanced; 30k balanced

Input Clipping
10Vrms (22 dBu)

Cooling
Continuously variable-speed fan

Connectors
Input: active balanced XLR / ¼" TRS combo
Output: 5-way binding post and Speakon®

Controls
AC power switch; channel 1 and 2 volume control

Indicators
Power on (blue); protection (amber) signal each channel (green); peak each channel (red)

Protection
Short circuit, thermal, current limit, DC offset, current inrush, RF protection, on/off muting

Power Requirements
100, 115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)
19" x 16" x 3.5"
483mm x 408mm x 89mm

Weight
37 lbs • 16.5 kg

RACKMOUNT AMPLIFIERS



SX2400 POWER AMPLIFIER

- Professional high power Class H amplifier
- 550 watts per side @ 8 ohms
- 750 watts per side @ 4 ohms
- 1500 watts bridged mono @ 8 ohms
- Dual vari-speed fan cooling
- Signal, Peak, and Protection circuit indicators
- 5-way binding post and Speakon® speaker outputs
- Locking XLR and TRS input connections
- Dual rackspace design

TECHNICAL SPECIFICATIONS

Frequency Response (-3 dB)
20 Hz to 20 kHz

Signal to Noise (20 Hz-20 kHz)
104 dB

Distortion THD (1 kHz, rated power)
< .03%

Voltage Gain (4 ohm, 1 kHz)
34 dB

Input Sensitivity @ 8Ω
1.22V (+4 dBu)

Output Circuitry
Class H

Damping Factor (400 Hz)
350

Current Consumption (115 VAC)
@ 1/8 rated power 4Ω; 7A
@ 1/3 rated power 4Ω; 14.5A
@ rated power 4Ω max; 26A

Input Impedance
15k unbalanced; 30k balanced

Input Clipping
10Vrms (22 dBu)

Cooling
Continuously variable-speed fan

Connectors
Input: active balanced XLR / 1/4" TRS combo
Output: 5-way binding post and Speakon®

Controls
AC power switch; channel 1 and 2 volume control

Indicators
Power on (blue); protection (amber) signal each channel (green); peak each channel (red)

Protection
Short circuit, thermal, current limit, DC offset, current inrush, RF protection, on/off muting

Power Requirements
100, 115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)
19" x 16" x 3.5"
483mm x 408mm x 89mm

Weight
40 lbs • 18 kg



SX2800 POWER AMPLIFIER

- Professional high power Class H amplifier
- 700 watts per side @ 8 ohms
- 900 watts per side @ 4 ohms
- 1800 watts bridged mono @ 8 ohms
- Dual vari-speed fan cooling
- Signal, Peak, and Protection circuit indicators
- 5-way binding post and Speakon® speaker outputs
- Locking XLR and TRS Input connections
- Dual rackspace design

TECHNICAL SPECIFICATIONS

Frequency Response (-3 dB)
20 Hz to 20 kHz

Signal to Noise (20 Hz-20 kHz)
104 dB

Distortion THD (1 kHz, rated power)
< .03%

Voltage Gain (4 ohm, 1 kHz)
35 dB

Input Sensitivity @ 8Ω
1.22V (+4 dBu)

Output Circuitry
Class H

Damping Factor (400 Hz)
350

Current Consumption (115 VAC)
@ 1/8 rated power 4Ω; 8.5A
@ 1/3 rated power 4Ω; 17A
@ rated power 4Ω max; 32A

Input Impedance
15k unbalanced; 30k balanced

Input Clipping
10Vrms (22 dBu)

Cooling
Continuously variable-speed fan

Connectors
Input: active balanced XLR / 1/4" TRS combo
Output: 5-way binding post and Speakon®

Controls
AC power switch; channel 1 and 2 volume control

Indicators
power on (blue); protection (amber) signal each channel (green); peak each channel (red)

Protection
Short circuit, thermal, current limit, DC offset, current inrush, RF protection, on/off muting

Power Requirements
100, 115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)
19" x 16" x 3.5"
483mm x 408mm x 89mm

Weight
47 lbs • 21.1 kg



SX3200 POWER AMPLIFIER

- Professional, Class H, rail-switching amplifier
- 750 watts per side @ 8 ohms
- 1100 watts per side @ 4 ohms
- 2200 watts bridged mono @ 8 ohms
- Dual variable-speed fan cooling
- Signal, peak and protection circuitry indicators
- 5-way binding post and Speakon® outputs
- XLR and TRS input connections
- Dual rackspace design
- Toroidal transformer power supply for high current and low profile

TECHNICAL SPECIFICATIONS

Frequency Response (-3 dB)
20 Hz to 20 kHz

Signal to noise (20 Hz-20 kHz)
104 dB

Distortion (SMPTE-IM)
0.03%

Voltage Gain (4 ohm, 1 kHz)
35 dB

Input Sensitivity @ 8Ω
1.22V (+4 dBu)

Output Circuitry
Class H

Damping Factor (400 Hz)
350

Current Consumption (115 VAC)
@ 1/8 rated power 4Ω: 9A
@ 1/3 rated power 4Ω: 19.8A
@ rated power 4Ω max: 39.2A

Input Impedance
15kΩ unbalanced; 30kΩ balanced

Distortion (Typical @ 4Ω)
20 Hz-20 kHz, 10 dB below rated power: 0.01%
1 kHz, rated power: 0.1%

Input Clipping
10Vrms (22 dBu)

Cooling
Continuously variable-speed fan

Connectors (each channel)
Input: Active balanced combo and 1/4-inch (6.3mm) TRS
Output: 5-way binding post and Speakon®

Controls
AC power switch, channel 1 and 2 volume control

Indicators
Power on (blue), Protection (amber), Signal each channel (green), Peak each channel (red)

Protection
Short Circuit, Thermal, Current Limit, DC Offset, Current Inrush, RF Protection, On/Off Muting

Power Requirements
100, 115/230, 240VAC, 50/60 Hz

Dimensions (W, D, H)
19" x 18" x 3.5"
483mm x 445mm x 89mm

Weight
48 lbs • 21.1 kg



MIXERS

SAMSON PROFESSIONAL AUDIO SOLUTIONS

TYPE:
L SERIES

4-BUS MIXING CONSOLES



NEW FOR 2008!

L3200 LIVE 32-CHANNEL / 4-BUS USB MIXING CONSOLE

Ideal for installation purposes, the L-Series mixers offer professional performance and comprehensive features that are perfect for almost any live sound application.

- 32 input channels
- XLR Mic: 24 mono channels + 4 stereo channels
- 4 stereo line inputs
- 2 x 12-segment LED level meter for Main L/R, PFL/AFL, Group 1-4
- Large illuminated mute switches and 100mm faders
- 3-band EQ with sweepable mids
- Dual DSP with 100 digital multi-effects
- 6 aux sends and 2 stereo aux returns
- USB I/O (send from Aux or Main, return to Main or last stereo channels)
- Talkback mic input



- USB I/O (send from Aux or Main, return to Main or last stereo channels)

TECHNICAL SPECIFICATIONS

Maximum Output Level (0.5% THD at 1 kHz)

- +24 dB (MAIN L/R) @ 10k Ω
- +20 dB (INSERT) @10k Ω
- +20 dB (GROUP, AUX/EFX, CTRL ROOM) @10k Ω
- More than 100mW (HEADPHONES) @ 33 Ω

Frequency Response

- 20 Hz-20 kHz, +1/-2 dB (MIX L/R, GROUP, AUX/EFX SEND) @ 10k Ω

Hum and Noise

- 128 dBu: Equivalent input noise (Rs = 150 Ω)
- 95 dBu: Residual noise (MAIN L/R, MONO, MAIN B, GROUP, AUX/EFX OUT)
- 83 dBu: MAIN, MONO, GROUP Master fader at nominal level and all channel fader minimum
- 76 dBu: AUX Master control at nominal level and all channel control minimum

Crosstalk (at 1 kHz)

- 70 dB between input channels
- 70 dB between input/output channels (CH INPUT)

Gain Control (Mono Input Channel)

- 44 dB Variable (-50 dB ~ -6 dB), (-30 dB ~ +14 dB)

Gain (Stereo Input Channel)

- 40 dB Variable (-20 dB ~ +20 dB)

High-Pass Filter

- 75 Hz, 18 dB/Octave

Input Channel Equalization (Mono)

- HIGH: 12 kHz shelving \pm 15 dB
- MID: 100-8 kHz peaking \pm 15 dB
- LOW: 80 Hz shelving \pm 15 dB

Input Channel Equalization (Stereo)

- HIGH: 12 kHz shelving \pm 15 dB
- HI-MID: 3 kHz peaking \pm 15 dB
- LO-MID: 500 Hz peaking \pm 15 dB
- LOW: 80 Hz shelving \pm 15 dB

LED Meters

- 12-point LED x 2 MAIN L/R, PFL/AFL, GROUP (1-4)

Internal Digital Effects

- 2 x 24-BIT DSP, 100 selectable presets
- FOOT switch (ON/OFF)

Channel Indicators

- Peak: An indicator for each channel turns on when the pre-channel fader signal is 5 dB below clipping.

Phantom Power

- +48V DC

USB Bus Power

- +5V DC 0.5A max USB A-TYPE FEMALE

Power Source / Power Consumption

- AC 120V/230V/240V, 50/60Hz L2400: 60W, L3200: 75W

Dimensions (W, D, H)

L2400:

- 31.5" x 6.25" x 21"
- 798mm x 159mm x 533mm

L3200:

- 40.4" x 6.25" x 21"
- 1026mm x 159mm x 533mm

Weight

- L2400: 35.6 lbs (16.2 kg), L3200: 40 lbs (18.1 kg)



NEW FOR 2008!

L2400 LIVE 24-CHANNEL / 4-BUS USB MIXING CONSOLE

- 24 input channels
- XLR Mic: 16 mono channels + 4 stereo channels
- 4 stereo line inputs
- 2 x 12-segment LED level meter for Main L/R, PFL/AFL, Group 1-4
- Large illuminated mute switches and 100mm faders
- 3-band EQ with sweepable mids
- Dual DSP with 100 digital multi-effects
- 6 aux sends and 2 stereo aux returns
- USB I/O (send from Aux or Main, return to Main or last stereo channels)
- Talkback mic input

PASSIVE MIXERS



MDR1688 16-CHANNEL MIXER

Ideal for live or studio needs, the MDR1688 is a versatile 16-channel stereo mixer that produces excellent fidelity and includes 256 digital effects.

- 16 Inputs: 8 mic/line plus 4 stereo line
- 24-bit Digital Effects Processor with 256 Presets
- 3-band EQ with sweepable mids on mic/line inputs
- 4-band EQ on stereo channels
- 60mm faders
- Standard 19-inch rackmount kit included

TECHNICAL SPECIFICATIONS

Frequency Response
10 Hz to 45 kHz, +/-0.4 dB

Distortion (THD&N)
0.05% at +4 dBu, 1 kHz

Gain Range
0 dB to +40 dB (MIC)

Signal to Noise Ratio (SNR)
105 dB

Line Input
Electronically balanced

Sensitivity Range
-10 dBu to +30 dBu

Stereo Input Channels
Balanced Line Input

Distortion (THD&N)
0.005% at +4 dBu, 1 kHz

Max Output
+22 dBu balanced XLR

Dimensions (W, D, H)
16" x 16.7" x 2.6"
405mm x 425mm x 65mm

Weight
12.87 lbs • 5.85 kg

MDR1248 12-CHANNEL MIXER

Great for studio or live applications, the MDR1248 is a professional 12-channel stereo mixer that provides total control over signal flow and includes 256 digital effects.

- 12 Inputs: 4 mic/line plus 4 stereo line
- 24-bit Digital Effects Processor with 256 presets
- 3-band EQ with sweepable mids on mic/line inputs
- 4-band EQ on stereo channels
- 60mm faders
- Standard 19-inch rackmount kit included

TECHNICAL SPECIFICATIONS

Frequency Response
10 Hz to 45 kHz, +/-0.4 dB

Distortion (THD&N)
0.05% at +4 dBu, 1 kHz

Gain Range
0 dB to +40 dB (MIC)

Signal to Noise Ratio (SNR)
105 dB

Line Input
Electronically balanced

Sensitivity Range
-10 dBu to +30 dBu

Stereo Input Channels
Balanced Line Input

Distortion (THD&N)
0.005% at +4 dBu, 1 kHz

Max Output
+22 dBu balanced XLR

Dimensions (W, D, H)
16" x 12.3" x 2.6"
405mm x 313mm x 65mm

Weight
9.79 lbs • 4.45 kg





POWERED MIXERS

XM910 POWERED MIXER

Samson's XM910 combines mixer, effects, equalization into a compact, portable and extremely powerful system.

- 10 channels, 900 watts
- 24-bit DSP effects with 100 selectable presets
- Low-noise mic preamps
- 48 volt phantom power
- 3-band equalization on each channel
- 10-band graphic EQ for both the main and monitor outputs
- DSP control on each channel
- Monitor send on each channel
- Dual CD inputs with trim and crossfader for instant DJ applications
- High-impact molded plastic kickback chassis

TECHNICAL SPECIFICATIONS

Rated Output Power

450W/4Ω @0.1% THD at 1 kHz per amplifier
(900 watts total)

Frequency Response (± 1 dB)

<20 Hz to 20 kHz

Crosstalk

1 kHz 70 dB adjacent input, 70 dB input to output

Input Channel Equalization

High: 12 kHz shelving (+/- 15 dB Maximum)

Mid: 2.5 kHz peaking (+/- 12 dB Maximum)

Low: 80 Hz shelving (+/- 15 dB Maximum)

Meters

9 Point LED Meters

(-20, -15, -10, -7, -4, -2, 0, +2, +4 dB)

Phantom Power

+48V

Foot Switch

Digital Effect Mute: ON/OFF

Power Requirement

110V-240V, 50/60 Hz

Power Consumption

950W, Max.

Dimensions (W, D, H)

21" x 13.75" x 14"

534mm x 350mm x 356mm

Weight

46 lbs • 20.8 kg



XM410 POWERED MIXER

Compact and powerful, the XM410 is a great entry level powered mixer.

- 400 watts of system power
- 6 mic/line inputs with 1/4" and XLR connections
- Phantom power
- 24-bit DSP Effects with 100 selectable presets
- 3-band EQ on each channel, 7-band on main and monitor
- RCA inputs and outputs for any line source
- High impact molded plastic Kickback chassis design

TECHNICAL SPECIFICATIONS

Rated Output Power

200W/4Ω @ 0.1% THD at 1 kHz per amplifier

(400 watts total)

Frequency Response (± 1 dB)

<20 Hz to 20 kHz

Crosstalk

1 kHz 70 dB adjacent input, 70 dB

input to output

Input Channel Equalization

High: 12 kHz shelving

(+/- 15 dB Maximum)

Mid: 2.5 kHz peaking

(+/- 12 dB Maximum)

Low: 80 Hz shelving

(+/- 15 dB Maximum)

Phantom Power

+48V

Foot Switch

Digital Effect Mute: ON/OFF

Power Requirement

110V-240V, 50/60 Hz

Power Consumption

516W 1/8 power, 800W full

Dimensions (W, D, H)

21" x 13.75" x 14"

534mm x 350mm x 356mm

Weight

30.8 lbs • 14 kg



XM610 POWERED MIXER

Portable or permanent, it's everything you need for solid professional sound reinforcement.

- 6 channels, 600 watts
- 24-bit DSP Effects with 100 selectable presets
- Channel strips feature low-noise mic preamps
- 48 volt phantom power
- 3-band EQ on each channel
- DSP control on each channel
- Monitor send on each channel
- 7-band graphic EQ for both the main and monitor outputs
- High-impact molded plastic kickback chassis

TECHNICAL SPECIFICATIONS

Rated Output Power

300W/4Ω@0.1% THD at 1 kHz per amplifier (600 watts total)

Frequency Response (± 1 dB)

<20 Hz to 20 kHz

Crosstalk

1 kHz 70 dB adjacent input, 70 dB

input to output

Input Channel Equalization

High: 12 kHz shelving

(+/- 15 dB Maximum)

Mid: 2.5 kHz peaking

(+/- 12 dB Maximum)

Low: 80 Hz shelving

(+/- 15 dB Maximum)

Phantom Power

+48V

Foot Switch

Digital Effect Mute: ON/OFF

Power Requirement

110V-240V, 50/60Hz

Power Consumption

516W 1/8 power, 800W full

Dimensions (W, D, H)

21" x 13.75" x 14"

534mm x 350mm x 356mm

Weight

40 lb • 18.2 kg

TABLETOP POWERED MIXERS



TXM20 POWERED MIXER

The TXM20 powered tabletop mixer features studio-quality effects and is designed as a powerful, all-in-one portable solution for live sound applications.

- 12 high-quality microphone preamps
- 500 watts stereo, 1000 watts bridged mono
- 4 Aux sends (1 pre, 1 pre/post, 2 effects)
- Dual 9-band graphic EQ
- Dual internal 24-bit effects processor with 100 preset programs
- Mono sub output with variable low-pass filter
- 1/4-inch phone and Speakon® outputs

TECHNICAL SPECIFICATIONS

Rated Output Power
2 X 500W at 4Ω @0.1% THD at 1 kHz,
1 X 1000W at 8Ω Bridged

Frequency Response
20 Hz-20 kHz±0.7 dB@1W Output into 8Ω
(AMP OUT)

Distortion (THD&N)
Less than 0.06% @ 20 Hz- 20 kHz

Crosstalk 1kHz
70 dB adjacent input, 70 dB input to output

Meters
11 point LED meters

Graphic Equalizer
9 bands × 2

Internal DSP Effects
24-bit - 10 Presets each

Dimensions (W, D, H)
24.5" × 21" × 6.25"
622mm × 533mm × 159mm

Weight
50.6 lbs • 23 kg



TXM16 POWERED MIXER

The TXM16 is a sixteen channel, powered mixer in an ergonomically correct, attractively appointed, tabletop enclosure.

- 8 high-quality microphone preamps
- 500 watts stereo, 1000 watts bridged mono
- 3 Aux sends (2 pre, 1 effects)
- Dual 9-band graphic EQ
- Internal 24-bit effects processor with 100 preset programs
- Mono sub output with variable low-pass filter
- 1/4-inch phone and Speakon® outputs

TECHNICAL SPECIFICATIONS

Rated Output Power
2 × 500W at 4Ω @0.1% THD at 1 kHz,
1 × 1000W at 8Ω Bridged

Frequency Response
20 Hz-20 kHz±0.7 dB@1W Output into 8Ω
20 Hz-20 kHz±0.4@+4 dB Output into 10kΩ

Distortion (THD&N)
Less than 0.06% @ 20 Hz- 20 kHz

Crosstalk 1kHz
70 dB adjacent input, 70 dB input to output

Meters
11 point LED meters

Graphic Equalizer
9 bands × 2

Internal DSP Effects
24-bit - 10 presets each

Power Requirement
120V/60 Hz, 240V/50 Hz (Country Specific)

Dimensions (W, D, H)
19.25" × 21.5" × 5.75"
489mm × 520mm × 145mm

Weight
42.9 lbs • 19.5 kg

dB300a TWO-WAY ACTIVE LOUDSPEAKER**Two-way active, bi-amped, high-efficiency loudspeaker.**

- 300 watts RMS total power
- Custom designed, heavy-duty, 12-inch low frequency driver with 3-inch voice coil
- 1.75-inch titanium compression driver with 1-inch exit
- Durable, high-impact polypropylene with sturdy handles, pole-mount and integrated M6 fly points
- 45 and 30 degree monitor angles
- Balanced microphone and line level inputs with two-band EQ

TECHNICAL SPECIFICATIONS**Frequency Response**

60 Hz – 24 kHz ± 3 dB

Power RatingLow Frequency: 250 watts RMS
High Frequency: 50 watts RMS**Crossover Frequency**

2.3 kHz, 3 pole (18 dB per octave)

MountingStand: Integral 1 3/8" Pole
Mount Receptacle
Fly Points: 4
Stacking: Large, gender mating
stacking bumpers**Dimensions (W, D, H)**16" × 14" × 24"
407mm × 356mm × 610mm**Weight**

47 lbs • 21.4 kg

**70 VOLT INSTALLATION VERSION****dB300 TWO-WAY PASSIVE LOUDSPEAKER****Two-way, portable passive loudspeaker.**

- 300 watts RMS power handling
- Parallel Speakon® and 1/4-inch connectors

TECHNICAL SPECIFICATIONS**Frequency Response:**

65 Hz – 18 kHz ± 3 dB

Sensitivity:

93 dB SPL @ 1W/1m

Crossover Frequency:

2.1 kHz, 18 dB/Oct, Linkwitz

Mounting:Stand: Integral 1 3/8" Pole
Mount Receptacle
Fly Points: 4
Wedge Monitor Position:
30° and 45°**Dimensions (W, D, H):**19" × 17" × 30"
483mm × 432mm × 762mm**Weight:**

38 lbs • 17.24 kg

ALSO AVAILABLE:**MB300U MOUNTING BRACKET****dB300i CONSTANT VOLTAGE LOUDSPEAKER****Two-way, passive installation loudspeaker system with built-in transformer**

- 70/100 volt, 120 watt transformer with selectable taps at 100 watts, 50 watts, 25 watts, 12.5 watts, 6.25 watts and 8 ohms
- ABS water resistant terminal cover and polymer encrusted weather resistant woofer cone

**NEW FOR
2008!****TECHNICAL SPECIFICATIONS****Frequency Response:**

60 Hz – 20 kHz ± 4 dB

Nominal Impedance (Passive):

8Ω

Power Handling:

100 watts

Sensitivity:

94 dB 1W/1m

Max. SPL:

113 dB

Nominal Coverage:

65° × 90°

Input Connections:

9 pin Euroblock

Output Connections:

4 pin Euroblock

Transformer Taps:

70/100 volt; 100W, 50W, 25W, 12W, 6W

Thru Position:

8Ω

Speaker Type:

Full range, two-way

Dimensions (W, D, H):23.62" × 16.14" × 13.46"
600mm × 410mm × 342mm**Weight:**

37.84 lbs • 17.2 kg

dB500 PASSIVE LOUDSPEAKER**Two-way, portable passive loudspeaker.**

- 500 watts RMS power handling
- Parallel Speakon® and 1/4-inch connectors

TECHNICAL SPECIFICATIONS**Frequency Response**

60 Hz – 24 kHz ± 3 dB

Sensitivity

97 dB SPL @ 1W/1m

Crossover Frequency

2.3 kHz (24 dB Per Octave)

MountingIntegral 1 3/8" Pole Mount Receptacle;
15° wedge monitor position,
30° wedge monitor position,
Ten Fly Points**Dimensions (W, D, H)**19" × 17" × 30"
483mm × 432mm × 762mm**Weight**

50 lbs • 22.7 kg

**dB500a ACTIVE PA SPEAKER****Two-way active, bi-amped, high-efficiency loudspeaker.**

- 500 watts RMS total power
- Custom designed, heavy-duty, 15-inch low frequency driver with 3-inch voice coil
- 1.75-inch titanium compression driver with 1-inch exit
- Durable, high-impact polypropylene with sturdy handles, pole-mount and integrated M6 fly points
- 15 and 30 degree monitor angles
- Balanced microphone and line level inputs with two-band EQ
- Optimax signal processing circuitry provides total speaker protection

TECHNICAL SPECIFICATIONS**Frequency Response**

60 Hz – 24 kHz ± 3 dB

Crossover Frequency

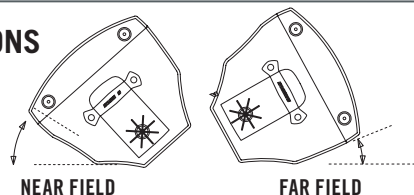
2.3 kHz (24 dB Per Octave)

MountingIntegral 1 3/8" Pole
Mount Receptacle
15° wedge monitor position,
30° wedge monitor position,
Ten Fly Points**Dimensions (W, D, H)**19" × 17" × 30"
483mm × 432mm × 762mm**Weight**

61 lbs • 27.7 kg

STAGE MONITOR POSITIONS

Samson's dB speakers are also designed to work as floor monitors. The cabinet has two different monitor angles, depending on the application and size of the stage.

**NEAR FIELD****FAR FIELD**

PORTABLE PA SYSTEMS

EXL250 EXPEDITION EXPRESS PORTABLE PA SYSTEM

The EXL250 Expedition Express is a total PA solution with an integrated iPod® dock for bands, mobile DJs, schools, houses of worship, corporate AV and other institutional applications.

- Integrated iPod® dock
- Custom designed, heavy-duty 12-inch low frequency driver with 1.5-inch voice coil
- 1.5-inch titanium compression driver with 1-inch exit
- Lightweight Class D amplifier produces 250 watts of stereo power (125 watts per side)
- Built-in 4-channel stereo mixer with studio-quality 24-bit DSP effects
- Includes R21 dynamic microphone, mic clip, mic cable, speaker cable, storage bags, and slip cover
- Integral 1 3/8-inch pole-mount receptacle
- Operates on AC Power or with the optional RB2030 rechargeable battery
- Compatible with Samson Wireless Micro Systems

TECHNICAL SPECIFICATIONS

Power Rating (@ 8Ω)
 2 × 125 watts program
Frequency Response
 60 Hz – 15 kHz ± 3 dB
Crossover Frequency
 2.3 kHz (12 dB Per Octave)
Inputs
 2 Mic/Line XLR/TRS
 1 Stereo Line with Mic XLR

Equalization Frequencies
 80 Hz (Low), 12 kHz (High)
Dimensions (W, D, H)
 14.625" × 17.375" × 21.25"
 371mm × 441mm × 539mm
Weight
 73 lbs • 33.2 kg



XPL100 PORTABLE PA LOUDSPEAKER

Excellent speaker for public address, music playback or floor monitoring

- 250 watts program; 400 watts peak power handling
- Custom heavy-duty 12-inch low frequency driver with 2.5-inch voice coil
- 1.5-inch titanium compression driver with 1-inch exit

TECHNICAL SPECIFICATIONS

Power Rating (@ 8 Ω)
 250 watts program,
 400 watts max. peak
Frequency Response
 60 Hz – 15 kHz ± 3 dB
Sensitivity
 97 dB SPL @ 1W/1m
Crossover Frequency
 2.3 kHz
 (12 dB per octave)
 lamp protected
Dimensions (W, D, H)
 14.625" × 17.375" × 21.25"
 371mm × 441mm × 539mm
Weight
 28.5 lbs • 12.9 kg

**ALSO AVAILABLE:
 MB2030
 MOUNTING BRACKET**



XPL200 ACTIVE PORTABLE PA LOUDSPEAKER

Excellent powered speaker for public address, music playback or floor monitoring. Perfect as a powered monitor or in combination with an XPL300 as a stereo 400 watt system.

- Lightweight Class D amplifier produces 200 watts of high-quality power
- Custom heavy-duty 12-inch low frequency driver with 2.5-inch voice coil
- 1.5-inch titanium compression driver with 1-inch exit
- Integral 1 3/8-inch pole-mount receptacle
- XLR signal input and output jacks
- Built-in limiter
- Operates on AC Power or with the optional RB2030 rechargeable battery

TECHNICAL SPECIFICATIONS

Power Rating
 200 watts
Frequency Response
 60 Hz – 15 kHz ± 3 dB
Sensitivity
 97 dB SPL @ 1W/1m
Crossover Frequency
 2.3 kHz (12 dB per octave)
 lamp protected

Dimensions (W, D, H)
 14.625" × 17.375" × 21.25"
 371mm × 441mm × 539mm
Weight
 35 lbs • 15.9 kg



(rear)



XPL300 PORTABLE PA LOUDSPEAKER

The XPL300 is a powered loudspeaker with a built-in 4-channel stereo mixer, 24-bit digital effects processing and integrated iPod® dock.

- 200 watts of high-quality, lightweight Class D power
- Custom heavy-duty, 12-inch low frequency driver with 1.5-inch voice coil
- 1.5-inch titanium compression driver with 1-inch exit
- Built-in 4-channel stereo mixer with 24-bit DSP effects
- Integral 1 3/8-inch pole-mount receptacle
- Operates on AC Power or with the optional RB2030 rechargeable battery
- Compatible with Samson Wireless Micro Systems

TECHNICAL SPECIFICATIONS

Power Rating
 250 watts program;
 400 watts Max. peak
Frequency Response
 60 Hz – 15 kHz ± 3 dB
Sensitivity
 97 dB SPL @ 1W/1m
Crossover Frequency
 2.3 kHz (12 dB per octave)
 lamp protected

Dimensions (W, D, H)
 14.625" × 17.375" × 21.25"
 371 mm × 441mm × 539mm
Weight
 38.5 lbs • 17.5 kg

TYPE:

WIRED MICROPHONES

[WIRED MICS]



QL5 LAVALIER MIC

All-purpose lavalier mic for any application.

- Clip-on lavalier condenser microphone with cable
- PM5 mini P3 to XLR Adapter

TECHNICAL SPECIFICATIONS

Frequency Response
60 Hz to 15 kHz

Sensitivity:
-65 dB

Rated Impedance
200Ω

Dynamic Range
109 dB

Max SPL
132 dB

Connector:
3-pin mini with PM5 mini to XLR adapter

Dimensions
.31" x .71"
8mm x 15mm overall

Weight
12.17 oz • 345 g

Q7 CARDIOID DYNAMIC MIC

The Q7 gives you solid performance. High gain output and enhanced feedback rejection make it a perfect live vocal mic.

- High gain output, low impedance design
- Enhanced feedback rejection
- Neodymium dynamic mic element
- Supercardioid pickup pattern
- Multi-axis shockmounted element
- Carry case and mic clip included

TECHNICAL SPECIFICATIONS

Frequency Response
50 Hz to 16 kHz

Sensitivity
-54 dB

Rated Impedance
200Ω

Max SPL
150 dB

Connector:
3-pin gold-plated balanced male XLR

Dimensions
2.09" x 6.09"
53mm x 180mm

Weight
13 oz • 368 g

CO2 PENCIL CONDENSER MIC

A beautifully crafted pencil-style condenser mic. Sold as a stereo pair.

- Highly-focused cardioid condenser pickup pattern
- Gold-plated XLR connectors
- Carry case and two shockmount mic clips included

TECHNICAL SPECIFICATIONS

Frequency Response
40 Hz to 20 kHz

Polar Pattern
Cardioid

Element Type
Condenser

Sensitivity
-40 dBV/pa (10mV/pa)

Max. SPL
134 dB (THD 0.5% 1000 Hz)

Dynamic Range
112 dB

Dimensions
0.8" x 5.9"
20mm x 150mm

Weight
5.4 oz • 170 g



CL2 PENCIL CONDENSER MICROPHONES

Ideal for recording and live applications, CL2s are true capacitor condenser mics that come as a matched pair.

- High-pass filter and 10 dB pad
- Includes interchangeable cardioid and omni elements
- Three micron, gold-sputtered diaphragms
- Maximum SPL of 141 dB (cardioid) and 138 dB (omni)
- Includes mic clip, pop filter, windscreen and shockmount
- Comes in durable, lightweight aluminum case

TECHNICAL SPECIFICATIONS

Frequency Response
20 Hz to 20 kHz

Sensitivity
Cardioid: -37 dBV/pa (14.1mV/pa)
Omni: -36 dBV/pa (15.8mV/pa)

Rated Impedance
200Ω

Max SPL
Cardioid: 141 dB (THD ≤ 0.5% 1000 Hz)
Omni: 138 dB (THD ≤ 0.5% 1000 Hz)

Connector:
3-pin gold-plated balanced male XLR

Dimensions
0.78" x 5.90"
20mm x 150mm

Weight
6 oz • 170 g



Q8 CARDIOID DYNAMIC MIC

The Q8 is the handheld dynamic mic that out-performs industry-standard mics in every category, including feedback rejection and high output gain. It's the only microphone you need for any professional application.

- High gain output, low impedance design
- Neodymium dynamic mic element
- Supercardioid pickup pattern
- Multi-axis shockmounted element
- Carry case and mic clip included

TECHNICAL SPECIFICATIONS

Frequency Response
50 Hz to 16 kHz

Sensitivity
-74 dB

Rated Impedance
300Ω

Max SPL
150 dB

Connector
3-pin gold-plated balanced male XLR

Dimensions
2.09" x 6.09"
53mm x 180mm

Weight
12 oz • 340 g



CONTRACTOR MICS

CM20P GOOSENECK PODIUM MIC

High-quality gooseneck podium mic for any application.

- Cardioid – fixed charge condenser
- Flexible gooseneck, 20" overall length
- Internal selectable hi-pass filter
- Standard XLR connector
- 9 – 52 Volt phantom power operation
- Includes flange mount and windscreen

TECHNICAL SPECIFICATIONS

Frequency Response
60 Hz - 16 kHz
Sensitivity
-40 dBV/Pa
Rated Impedance
600Ω
SPL
127 dB
Dynamic Range
103 dB
S/N Ratio
70 dB
Power Supply
9-52V phantom supply
Power Consumption
4mA
Dimensions
20"
508mm
Weight
0.33 lbs • 0.15 kg

CM15P GOOSENECK PODIUM MIC

Same as above, 15" length.

- Cardioid – fixed charge condenser
- Flexible gooseneck, 15" overall length
- Internal selectable hi-pass filter
- Standard XLR connector
- 9 – 52 Volt phantom power operation
- Includes flange mount and windscreen

TECHNICAL SPECIFICATIONS

Frequency Response
60 Hz - 16 kHz
Sensitivity
-40 dBV/Pa
Rated impedance
600Ω
SPL
127 dB
Dynamic Range
103 dB
S/N Ratio
70 dB
Power Supply
9-52V phantom supply
Power Consumption
4mA
Dimensions
15"
381mm
Weight
0.31 lbs • 0.14 kg

CM12C HANGING CHOIR MIC

Extra-long cable and steel direction guide for easy positioning

- Miniature condenser choir microphone
- Mini XLR connector
- Flexible steel positioning bracket
- Includes 30-foot cable with mini to standard XLR connector
- Multistage windscreen
- 9 – 52 Volt phantom power operation

TECHNICAL SPECIFICATIONS

Type
Fixed-charge condenser
Polar Pattern
Cardioid (Unidirectional)
Frequency Response
50 Hz - 18 kHz
Sensitivity
-40 dBV/Pa
Rated Impedance
2000Ω
SPL
136 dB
Dynamic Range
112 dB
S/N Ratio
70 dB
Power Supply
9-52V phantom supply
Power Consumption
2.5mA
Dimensions
1.06"
27mm
Weight
0.26 lbs • 0.12 kg



CM10B UNIDIRECTIONAL BOUNDARY MIC

Perfect for a conference table, or mounting on the wall.

- Half cardioid – condenser
- All electronics on-board
- Internal hi-pass filter
- Mini XLR connector
- Includes 30-foot cable with mini to standard XLR connector
- 9 – 52 Volt phantom power operation

TECHNICAL SPECIFICATIONS

Frequency Response
30 Hz - 18 kHz
Sensitivity
-39 dBV/Pa
Rated Impedance
600Ω
SPL
127 dB
Dynamic Range
103 dB
S/N Ratio
70 dB
Power Supply
9-52V phantom supply
Power Consumption
4mA
Dimensions
.94" × 3.35"
24mm × 85mm
Weight
0.44 lbs • 0.2 kg



UB1 OMNIDIRECTIONAL USB BOUNDARY MIC

USB!

As a surface mount condenser with USB, the UB1 is ideal for conference rooms, podium, alter.

- Plug and play operation on Mac or PC
- 16-bit, 44.1 – 48 kHz sample rates
- Miniature, low profile design
- Omnidirectional pickup pattern
- 10 foot USB cable included
- Includes Cakewalk® Sonar LE

TECHNICAL SPECIFICATIONS

Frequency Response
50 Hz - 16 kHz
Impedance
90Ω
Power Supply
USB 5V
Current Consumption
< 30mA
Connector
USB B-type
Dimensions
2.09" × 6.09"
53mm × 180mm
Weight
12 oz • 370 g

ALSO AVAILABLE:
CM11B OMNIDIRECTIONAL BOUNDARY MIC



CM15P CM20P

Included with CM15P & CM20P:



Optional Accessories for CM15P & CM20P:



SMS1

XFM1

MM01 MEASUREMENT MICROPHONE

- Precise electret-condenser test measurement microphone
- Uniform Omnidirectional pickup pattern with super flat frequency response
- Accepts standard 9-52 Volt phantom power
- Ideal for room analyzing and EQ correction





TYPE:

S•CLASS

SIGNAL PROCESSORS



S•CURVE 231 2 X 31-BAND EQ

A totally comprehensive dual 31-band EQ for the most demanding applications.

- Dual 31-band graphic equalizer
- Constant Q Circuitry
- LED faders
- Low Cut/Sub frequency crossover with subwoofer output
- Balanced XLR & TRS inputs and outputs
- Boost/Cut, and Cut only modes
- Switchable 6 or 12 dB Filters
- Variable high cut filter

TECHNICAL SPECIFICATIONS

Center Frequencies (Hz)

20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1 k, 1.25 k, 1.6 k, 2 k, 2.5 k, 3.15 k, 4 k, 5 k, 6.3 k, 8 k, 10 k, 12.5 k, 16 k, 20 k

Variable Range

±6 dB, ±12 dB, -12 dB, -24 dB

Frequency Response (unity)

<10 Hz to 90 kHz

Distortion THD

Less than 0.01%

Low Cut and Frequency Knob

18 dB/oct swept @ 15 Hz to 200 Hz

Low Cut/Sub Frequency Crossover

Variable Internal 2-way

Sub Controls

Gain, Frequency, Sub Mono Switch

Noise (with 20 kHz LPF, all faders flat)

-85 dB

Level Meter

8-segment LED

Dimensions (W, D, H)

19" x 10.375" x 3.5"

482mm x 263mm x 88.9mm

Weight

8.25 lbs • 3.75 kg



S•CURVE 215 2 X 15 BAND EQ

Multi-purpose EQ with easy-to-read lighted display.

- 2/3 octave 15-band stereo graphic equalizer
- Constant Q Circuitry
- Balanced XLR & TRS inputs and outputs
- Low cut filter
- LED Faders and LED bar VU meters
- Bypass switch

TECHNICAL SPECIFICATIONS

Center Frequencies (Hz)

25, 40, 63, 100, 160, 250, 400, 630, 1 k, 1.6 k, 2.5 k, 4 k, 6.3 k, 10 k, 16 k

Variable Range

±6 dB, ±12 dB, -12 dB, -24 dB

Frequency Response (unity)

<10 Hz to 90 kHz

Distortion THD

Less than 0.01%

Low Cut Filter

80 Hz (18 dB/oct)

Noise (with 20 kHz LPF, all faders flat)

-85 dB

Level Meter

6-segment LED

Dimensions (W, D, H)

19" x 10.75" x 1.75"

482mm x 273mm x 44mm

Weight

5.7 lbs • 2.6 kg

SIGNAL PROCESSORS



S•3-WAY STEREO/MONO CROSSOVER

The S•3-Way is a one-space, dual channel crossover that's an ideal solution for live sound venues and commercial installations.

- Full-featured, stereo 3-way, mono 4-way electronic crossover
- Phase switches invert the phase of individual outputs
- Adjustable low frequency delay for time aligning speaker stacks
- Mode Indicator LEDs provide quick visual display of operating mode
- 4-segment LED input meter allows easy gain adjustment
- Precision Linkwitz-Riley, 24 dB/octave filters
- Output mute switches for all individual outputs
- Constant Directivity EQ smoothes the response of CD horns above 3.5 kHz
- Peak Limiter with independent threshold control and peak LED

TECHNICAL SPECIFICATIONS

Inputs
Female balanced XLR

Impedance
Balanced >15kΩ

Max. Input level
+26 dBu balanced

Output
Male balanced XLR
Impedance balanced 100Ω

Max. Output Level
+26 dBu

Frequency Response
<10 Hz to >90 kHz, +0/-3 dB

Power Inlet
Standard IEC receptacle with fuse

Dimensions (W, D, H)
1.75" × 19" × 8.5"
44.5mm × 482.6mm × 217mm

Weight
6.6 lbs • 3 kg



S•COM PLUS COMPRESSOR/LIMITER

This Stereo Compressor/Limiter adds features like De-essing for added control.

- Compressor section includes variable threshold, ratio, attack and release
- Expander/Gate section includes variable threshold level, switchable release
- SKD (Smart Knee Detector) dynamically adjusts the compression curve
- AEG (Auto Envelope Generator) dynamically adjusts attack and release
- EFR (Enhanced Frequency Recovery) restores high frequencies lost with heavy compression
- Built-in De-esser circuitry reduces sibilance
- Metering of Input/Output, gain reduction, de-esser level, gate open/close and limit
- Key inputs and outputs for externally processing control voltage
- Individual channel bypass and stereo link modes
- Balanced inputs and outputs

ALSO AVAILABLE:

S•COM 4 FOUR - CHANNEL COMPRESSOR/GATE

TECHNICAL SPECIFICATIONS

Frequency Response
<10 Hz to 20 kHz +0 / -0.1 dB effect out
-0.4 dB @ 100 kHz
<10 Hz to 20 kHz +0 / -0.1 dB effect in,
-3 dB @ >100 kHz

Dynamic range
116 dB, un-weighted, 22 Hz to 22 kHz

THD
0.008 % typ. @ +4 dBu, 1 kHz effect out,
0.016% effect in

Crosstalk
>100 dB, 22 Hz to 22 kHz

Operating Level
Selectable +4 dBu / -10 dBV

Max. Input Level
+21 dBu, balanced

CMRR
Min. 40 dB, >50 dB @ 1 kHz

Max. Output Level
+21 dBu, balanced

Dimensions (W, D, H)
19" × 7.75" × 1.75"
482.6mm × 197mm × 44.5mm

Weight
5 lbs • 2.3 kg



POWERBRITE PB15 PRO POWER DISTRIBUTOR

Providing clean, reliable power and rackmount lighting, PowerBrite power conditioners are exceptionally useful in any rack.

- 19-inch rackmount power conditioner with LED lighting and dual digital voltage multi-meters
- Lifetime guaranteed high intensity LED lamps with dimmer control
- Dual digital multi-meters display input voltage and load amperes of both the switched and unswitched outlets
- 8 rear panel AC outlets plus an additional front panel convenience outlet
- 3-point: surge protection, peak voltage spike clamping and RFI/EMI filtering
- Rear rack lighting with included LED gooseneck lamp

ALSO AVAILABLE:

POWERBRITE PB15 - SAME AS PB15 WITHOUT METERS
POWERSTRIP PS15 - 9 OUTLET RACK POWER STRIP

TECHNICAL SPECIFICATIONS

Number of Outlets
8 switched, 1 unswitched

Max. Current
15 Amp (circuit breaker protected)

Input Voltage (RMS)
0 to 130 Vac continuous

Spike Protection Mode
Hot to Neutral, Hot to Ground, and Neutral to Ground

Max. Clamping Voltage (@ 50 A)
340 Vac

Response Time
1 nanosecond

Max. Surge Current
6,000 Amps (8 x 20Ω S pulse)

Max. Spike Energy
70 Joules per leg

Noise Attenuation
>20 dB, 1.5 MHz to 200 MHz

Power Cord
Attached, 14 gauge

LED Light Life (Typical)
100,000 Hours

Dimensions (W, D, H)
19" × 7.75" × 1.75"
482mm × 183mm × 44mm

Weight
5 lbs • 2.27 kg

WIRELESS FITNESS SYSTEM

AIRLINE WIRELESS SYSTEM FOR FITNESS

The AH1 Headset Transmitter mounts to the QV10e headset.

- Incredibly small UHF transmitter
- Input sensitivity control to adjust the mic level
- Mute switch
- Multi-function LED indicates low battery
- Ideal for vocal reproduction
- Operates on AAA battery for up to 14 hours



TECHNICAL SPECIFICATIONS

Generating Element

Back Electret condenser

Polar Pattern

Bidirectional noise cancelling

Mounting system

Adjustable headband and gooseneck

Sensitivity

80 mV@114 dB SPL

Max. SPL

145 dB

Weight

1.92 oz • 54.4 g



CR77 TRUE DIVERSITY WIRELESS RECEIVER

The CR77 is a true diversity half-rack UHF receiver.

- True Diversity UHF Wireless System with PLL Frequency Control
- Squelch control eliminates carrier signal noise and RF interference
- Tuned molded antennas for accurate reception
- XLR and unbalanced 1/4" outputs with mic/line level output switch

TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz - 15 kHz (± 3 dB overall)

Receiving Frequency Range

801 - 805 MHz or 863 - 865 MHz

Sensitivity

18 dBm (@ THD 2%)

T.H.D. (Overall)

1% Max (@AF 1 kHz, RF 46 dBu)

S/N Ratio (Overall)

90 dB (with IHF-A Filter)

Dimensions (W, D, H)

8.5" x 4.55" x 1.69"
216mm x 115.75mm x 43mm

LARGE CAMERA WIRELESS SYSTEM

UM1 MICRO DIVERSITY VIDEO SYSTEM

Truly compact, the UM1 micro receiver mounts to any type of video camera. Ideal for corporate and broadcast video professionals.

- Unbalanced output with level switch
- DC input for external powering
- Variable squelch control and power switch
- Locking, balanced mini-XLR output with level switch
- Supplied XLR to mini-XLR cable



TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz - 15 kHz (± 3 dB overall)

Receiving Frequency Range

801 - 805 MHz

Squelch Sensitivity

17 dB μ v ± 4 dB

T.H.D. (Overall)

1% Max (@AF1 kHz, RF56 dBu)

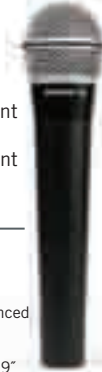
Dimensions (W, D, H)

2.6" x 1" x 4.25"
65.8mm x 26mm x 107mm

HT7 HANDHELD TRANSMITTER

A great sounding handheld transmitter.

- Available with Samson's popular Q7 dynamic element
- Also available with C05 handheld condenser element
- Works perfectly with the UM1 system



TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz to 16 kHz

Sensitivity

-54 dB

Rated Impedance

200 Ω

Max SPL

150 dB

Connector:

3-pin gold-plated balanced male XLR

Dimensions

2.09" x 6.09"

53mm x 180mm

Weight

13 oz • 368 g

CT7 BELTPACK TRANSMITTER

The CT7 beltpack transmitter can be configured with a lavalier or headset thanks to the locking P3 input connection and is ideal for using with the UM1 system for video.

- P3 locking input for use with lavalier or headset
- Three-segment battery indicator
- Separate power and audio on/off switches
- Adjustable AF level (audio gain)
- 12 hours of battery life on 9-volt



TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz - 15 kHz (± 3.5 dB)

Current Consumption

47 mA typical

Battery Life

12 hours (9-Volt battery)

RF Output Power (5mW)

-4 dB Minimum, +3 dB Maximum

Frequency Stability

± 20 kHz

Dimensions (W, D, H)

2.6" x .92" x 4"
66.15mm x 23.4mm x 102.5mm

SMALL CAMERA WIRELESS SYSTEM

AIRLINE WIRELESS SYSTEM FOR VIDEO

AirLine Series Micro Wireless Receiver that is perfect for all video applications and mounts on the hot shoe of your camera.

TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz - 13 kHz,
(at -30 dBv ± 4 dB output level)

Receiving Frequency

USA 801.375-804.750 MHz (U1-U6)

Output Jack

Unbalanced Output, 2.5 Stereo Mini Jack

Power

1 x AAA Battery, (Internal Operating Voltage : 2.7V)

Current Consumption

70mA typical at no signal

Battery Life

5 - 8 hours

Dimensions (W, D, H)

2.2" x 1.7" x .7"
56mm x 42mm x 18.5mm (without antenna)

Weight

0.88 oz • 25 g (without battery)



AL1 MICRO PRESENTATION TRANSMITTER

The AL1 is an all-in-one miniaturized presentation transmitter with a built-in electret condenser mic.

TECHNICAL SPECIFICATIONS

Frequency Response

50 Hz - 15 kHz (± 3.5 dB)

Current Consumption

60mA Typical

Battery Life

14 Hours (AAA size battery)

RF Output Power (5mW)

-4 dB Minimum,

+3 dB Maximum

Frequency Stability

-40 kHz Minimum,

40 kHz Maximum

Modulation Factor

13 kHz Minimum,

15 kHz Typical,

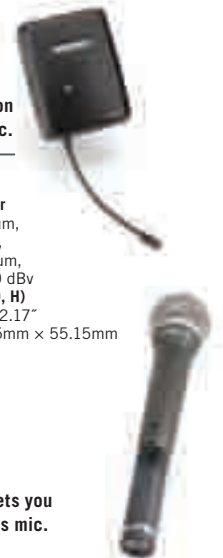
17 kHz Maximum,

Input 1 kHz-20 dBV

Dimensions (W, D, H)

1.65" x .75" x 2.17"

42mm x 18.65mm x 55.15mm



AX1 MIC TRANSMITTER

The super-compact AX1 handheld transmitter lets you convert any dynamic microphone into a wireless mic.



AL300 AIRLINE SYNTH WIRELESS BELTPACK TRANSMITTER

Designed with a unique, spring-loaded cover along with precision mic and instrument preamps, the AL300 is the smallest beltpack transmitter available.

- Frequency-agile synthesized micro-size beltpack transmitter with over 300 channels
- Mini XLR connector
- IR transmitter channel set
- LCD display
- Mute switch
- 15 dB pad
- Gain control
- Low battery indicator
- Available with LM10 lavalier or SE10 micro headset systems



NEW FOR 2008!

TECHNICAL SPECIFICATIONS

Oscillation System
VCO PLL frequency synthesized

Modulation Type
FM

Antenna
1/4 Wave Length Wire Type

Input Impedance
330kΩ (ATT: -15 dB)

Maximum Input Level
15 dBv (ATT: -15 dB)

Switches/Controls
Power Switch, Mute Switch, Att. Switch, Gain Control

Display
Channel (LCD), Battery (LED)

Interface
Infrared

Phantom
3V (0.9mA at short), Impedance 2.2kΩ

Battery
AAA x 2

Battery Life
10 hours

Operating Temperature
0°C - 50°C (32°F - 122°F)

RF Output Power
10mW ERP

Deviation
20 kHz (with 1 kHz input), 40 kHz max.

THD
(@1 kHz, dev. 20 kHz)
Typical THD less than 1%

Dimensions (W, D, H)
1.14" x 1.77" x 2.9"

Weight
3 oz • 85 g (with battery)

AR300 AIRLINE SYNTH WIRELESS RECEIVER

Roadworthy durability, crystal clear reception and comprehensive features make the AR300 frequency-agile receiver an excellent choice for any variety of wireless needs.

- Frequency-agile synthesized receiver with over 300 channels
- Automatic Channel Scan to select the clearest frequency
- Infrared transmitter channel set
- 50mm x 20mm backlit LCD display
- Metal half-rack chassis
- Dual front-mounted removable TNC antennas
- Squelch control
- XLR and 1/4-inch balanced outputs
- Mic or line level switch
- Up to 11 systems for simultaneous operation

TECHNICAL SPECIFICATIONS

Oscillation System
VCO PLL frequency synthesized

Type of Reception
Double super-heterodyne / True Diversity

Intermediate Frequency
10.7MHz

AR300 Antenna
1/4-inch Wavelength Rod TNC Type UHF

LCD Display
47mm x 17mm backlit display (Frequency, Channel, Group, Absolute Channel, Antenna, AF, RF, Scan, IR Set)

Controls
Menu Encoder/Button, Volume, Squelch

Operating Temperature:
0°C - 50°C (32°F - 122°F)

Power Supply Voltage
AC Adapter 18VDC, non-regulated 3.5mm

Receiving Sensitivity
More than 60 dB S/N at 21 dBuV input

Squelch Sensitivity
Adjustable

THD
1% Max (@ AF 1 kHz, RF 56 dBuV)
Audio Output Level:
-3 dBv @ 1% THD (Maximum +7 dBv)

Audio Output Impedance
100Ω

Dimensions (W, D, H)
8.7" x 7.1" x 1.75"

Weight
1.97 lbs • 0.89 kg

AR4300 AIRLINE SYNTH RACKMOUNTED SYSTEM

The AR4300 is designed to hold up to four AR300M receivers in a single rackspace.

- All-metal chassis
- Built-in antenna distribution
- Headphone cue system for monitoring individual or all channels
- Individual channel XLR and 1/4-inch balanced outputs
- Mixed XLR and 1/4-inch balanced outputs
- Mic and line level switches on each output
- Outside voltage selectable power supply



NEW FOR 2008!

TECHNICAL SPECIFICATIONS

Antenna
1/4" Wavelength Rod TNC Type UHF

Out
1/4" Independent, XLR independent, Headphone, Monitor Assign (1-4 or All), Mix Output

Dimensions (W, D, H)
19" x 8" x 1.75"
483.58mm x 203mm x 44mm

Weight
5.9 lbs • 2.68 kg

AX300 AIRLINE SYNTH WIRELESS HANDHELD TRANSMITTER

Small and lightweight, the AX300 plugs directly into any dynamic microphone, making it easier than ever to go wireless.

- Micro transmitter plugs into any XLR dynamic mic
- Frequency-agile synthesized tuning with over 300 channels
- IR transmitter channel set
- LCD display
- Mute switch
- 15 dB pad
- Gain control
- Low battery indicator
- Samson Q7 mic included

TECHNICAL SPECIFICATIONS

Oscillation System
VCO PLL frequency synthesized

Modulation Type
FM

Antenna
1/4 Wave Length Dipole Type

Input Impedance
2.7kΩ

Maximum Input Level
-8 dBv

Switches/Controls
Power Switch, Mute Switch, Gain Control

Display
Channel (LCD), Battery (LED)

Interface
Infrared

Phantom
N/A

Battery
AA x 1

Battery Life
10 hours @ 25°C (without phantom power)

Operating Voltage
1.2V - 1.5V

Operating Temperature
0°C - 50°C (32°F - 122°F)

RF Output Power
10mW ERP

Deviation
20 kHz (with 1 kHz input), 40 kHz max.

THD
(@1 kHz, dev. 20 kHz) Typical THD less than 1%

Dimensions (W, D, H)
1" x 1.4" x 3.9"

Weight
3 oz (with battery)



NEW FOR 2008!

TYPE:

RACKS &
STANDS

SRK EQUIPMENT RACKS

Heavy-duty equipment racks in several sizes.

Works for both US and EU rack screws.

- 19-inch equipment racks
- 8, 12, 16, and 21 rackspace versions
- Heavy-duty steel construction with fully enclosed sides
- 3-inch (75mm) locking casters
- Single-space blank panel included
- US and European rack screws included



TS50P SPEAKER STAND (PAIR)

- Compact telescoping tripod stand
- 110 lb/50 kg handling capacity
- Steel construction
- Fits standard 1 $\frac{3}{8}$ " pole receptacles
- Smaller footprint for tighter spaces
- Black finish



MD5 DESKTOP MICROPHONE STAND

- 5" desktop microphone stand
- Designed to hold any standard mic for desktop placement
- Weighted metal base for total stability
- Can be used with SP01 shockmount



MB1 MINI MICROPHONE BOOM STAND

- Heavy-duty adjustable boom mic stand
- Perfect for miking kick drums and speaker cabinets
- Die cast and steel construction
- Mic clip included



TS100 HEAVY DUTY SPEAKER STAND

- Heavy-duty telescoping tripod stand
- 110 lb/50 kg handling capacity
- Aluminum construction
- Adjustable, up to 6' in height
- Fits standard 1 $\frac{3}{8}$ " pole receptacles
- Black finish



SB100 STUDIO MICROPHONE BOOM STAND

- Professional-grade studio boom mic stand
- Heavy-duty steel construction
- Adjustable to over 12 feet in height
- Counter-weighted telescopic boom with over 6 feet of horizontal extension
- Locking casters for easy positioning
- Tripod base folds up for easy transport or storage



BT4 TELESCOPING BOOM STAND

- Tripod, collapsible boom mic stand
- Die cast and steel construction
- Sleek black finish

BL3 ULTRA LIGHT BOOM STAND

- Tripod, collapsible boom mic stand
- Light, durable steel construction with nylon components
- Black finish

TOURtek

HIGH PERFORMANCE CABLES™

Tourtek Cables are premium audio cables designed for musicians and sound engineers who require superior sound quality and demand flawless reliability. All Tourtek Cables feature genuine Neutrik® connectors and are backed by a lifetime warranty.

MICROPHONE CABLES

Tourtek Microphone Cables feature two 25 gauge multi-strand inner conductors wrapped in a braided copper shield with 96% coverage, protected by a 7mm PVC outer jacket.

- TOURTEK TM3 - 3-foot microphone cable
- TOURTEK TM6 - 6-foot microphone cable
- TOURTEK TM10 - 10-foot microphone cable
- TOURTEK TM15 - 15-foot microphone cable
- TOURTEK TM20 - 20-foot microphone cable
- TOURTEK TM25 - 25-foot microphone cable
- TOURTEK TM30 - 30-foot microphone cable
- TOURTEK TM50 - 50-foot microphone cable
- TOURTEK TM100 - 100-foot microphone cable



INSTRUMENT CABLES

Tourtek Instrument Cable's inner stranded copper conductor is covered by a PVC insulator, which is wrapped in a second carbon insulator, then wrapped in a braided copper shield with 96% coverage, and protected by a 6mm PVC outer jacket.

- TOURTEK TI1 - 1-foot instrument cable
- TOURTEK TI2 - 2-foot instrument cable
- TOURTEK TI3 - 3-foot instrument cable
- TOURTEK TI5 - 5-foot instrument cable
- TOURTEK TI6 - 6-foot instrument cable
- TOURTEK TI10 - 10-foot instrument cable
- TOURTEK TI15 - 15-foot instrument cable
- TOURTEK TI20 - 20-foot instrument cable
- TOURTEK TI25 - 25-foot instrument cable
- TOURTEK TI50 - 50-foot instrument cable
- TOURTEK TIL3 - 3-foot right angle instrument cable
- TOURTEK TIL10 - 10-foot right angle instrument cable
- TOURTEK TIL20 - 20-foot right angle instrument cable
- TOURTEK TIL25 - 25-foot right angle instrument cable



SPEAKER CABLES

For serious power delivery, Tourtek Speaker Cables use genuine Neutrik® Speakon® and 1/4-inch connectors, heavy-duty 14 gauge copper wire and solid build construction.

- TOURTEK TSQ3 - 3-foot speaker cable with 1/4" connectors
- TOURTEK TSQ10 - 10-foot speaker cable with 1/4" connectors
- TOURTEK TSQ30 - 30-foot speaker cable with 1/4" connectors
- TOURTEK TSS30 - 30-foot speaker cable with Speakon® connectors





HOUSES OF WORSHIP | FITNESS CENTERS | RETAIL SPACES | RESTAURANTS | SPAS | CLUBS | THEATERS
CONCERT HALLS | CLASSROOMS | BOARDROOMS | GOVERNMENT | SECURITY | EDUCATION | PARKS



SAMSON

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All specifications subject to change without notice.

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