
INSTRUMENT AMPLIFICATION SYSTEMS 1985

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**STINGER-20
GUITAR AMPLIFIER**



The STINGER 20 is a compact guitar amplifier with features and performance designed to satisfy the most demanding musician. Combining SUNN's proven CMOS overdrive circuitry with a medium power amplifier and a specially designed 8" speaker in an infinite baffle enclosure, the STINGER 20 is capable of far more performance than its small size would imply.

Separate preamp GAIN and MASTER level controls allow the musician to play clean or dirty at whatever volume he chooses. When overdriven, the STINGER 20 distorts smoothly, controllably and musically, harmonically enriching the guitar's signal and increasing its sustain.

A headphones output jack permits the STINGER 20 to be used privately as a practice amp and also doubles as a line level output jack, allowing the amp to be patched into the mixer of a PA system or to an additional power amplifier and speaker when greater volume is required.

The heavy-duty vinyl-covered cabinet and all-steel chassis construction insure rugged portability and long life.

Although very small and lightweight, SUNN's STINGER 20 is an extremely capable amplifier, sure to give any guitarist many hours of playing enjoyment.

FEATURES

- FET input circuitry for high input impedance and good overload characteristics
- Separate preamp GAIN and MASTER level controls, allowing sustain and volume to be varied independently
- 3-band passive EQ
- Proven Cascaded CMOS Overdrive circuitry
- 20 WATTS RMS power amplifier
- Custom-designed 8" loudspeaker
- Infinite baffle speaker enclosure for improved bass and mid-range response
- Equalized HEADPHONES/LINE OUT jack
- Speaker mute switch
- AC powered
- Lighted power switch
- Rugged all-steel chassis construction
- Metal protective speaker grill
- Carrying handle

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**STINGER-60
GUITAR AMPLIFIER**



Features

- **60 WATTS RMS**
- **Sunn Custom Designed 12" loudspeaker**
- **3-Band Passive EQ**
- **Proven cascaded CMOS Overdrive Circuitry**
- **FET input circuitry for high input impedance and good overload characteristics**
- **Separate preamp GAIN and MASTER level controls, allowing sustain and volume to be varied independently**
- **Protective metal speaker grill**
- **Equalized speaker/line out jack**
- **Speaker Mute Switch**
- **Reverb with level control**
- **Lighted power switch**
- **Infinite baffle speaker enclosure for improved bass and midrange response**
- **Rugged all steel chassis**
- **Specially formulated PVC extrusion on all edges for improved cabinet life.**

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**SL SERIES
GUITAR AMPLIFIERS**



The main idea behind the SL series amplifiers was to design a high technology, medium power, portable guitar amplifier with the features and flexibility required by today's musicians.

The SL series features electronic channel switching which will allow switching between two different drive and volume settings. Channel "A" has been optimized for a clean, rhythm sound while Channel "B" has been designed for sustained overdrive sounds. This channel switching is quiet and instantaneous thanks to IC logic control and CMOS electronic switches. No audio signals are sent out to the footswitch where they would be susceptible to noise and hum. All switching is done on the printed circuit board where it belongs. LEDs on the footswitch and amplifier keep you informed of your signal path at all times.

The SL series has three separate CMOS overdrive sections located at critical points in the signal path. This insures that any overload takes place in a CMOS stage where it is controlled and harmonically enriched. This gives the SL series a smooth, singing quality which a single overdrive stage cannot duplicate.

The tone controls are optimized for the frequency range of the guitar and are designed to be effective and easy to use. The Bass, Mid and Treble controls are all active cut and boost type. The controls were designed such that in the center click position they will yield a smooth, pleasing sound you can adjust to your taste. The Mid Frequency control in conjunction with the Mid control gives the SL amps a variable Q, sweeping notch or boost filter which expands the sounds this amp can create.

The back panel has a full complement of features including a headphone jack, an accessory patch loop and an extension speaker jack. The internal speaker is a special design for the SL amps and includes an aluminum dust cap, 30 Oz. magnet and a 160 WATTS program rating.

The reverb system designed for the SL series uses a CMOS stage to prevent spring slap and a special, high power op-amp to drive the reverb pan. This results in not only a greater quantity of reverb but a better quality sound with more high frequency response.

Features:

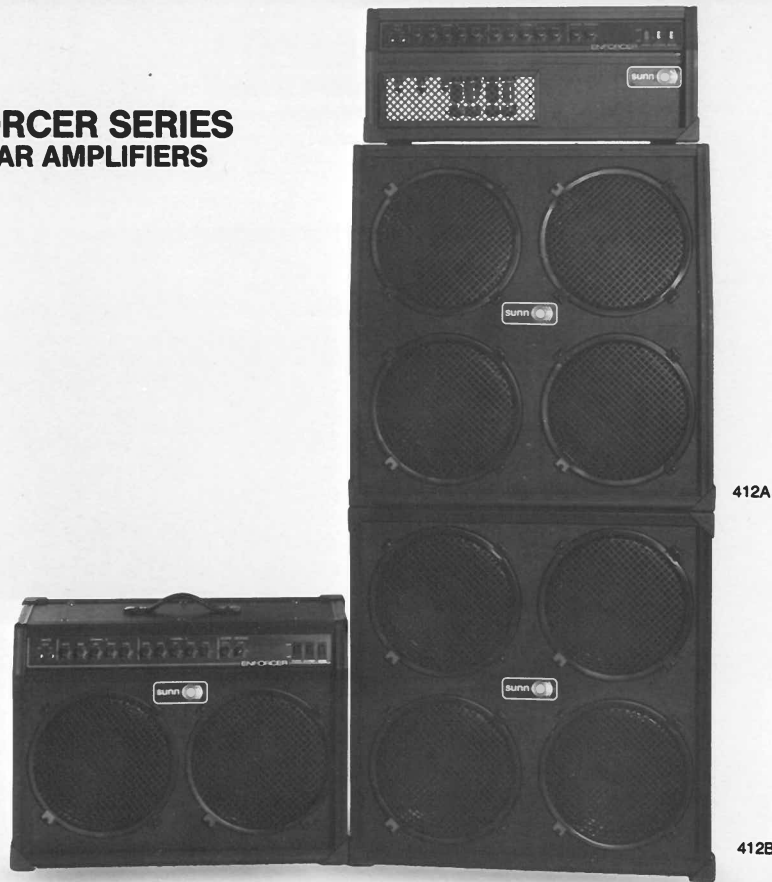
- High and Low Gain Inputs
- Footswitchable Channels
- Reverb with level Control
- Headphone Jack
- Brite Switch
- External Speaker Jack
- Master Level Control
- Footswitch with LED Channel Indicators
- Accessory Patch Loop (pre-amp out, (power amp in))
- Ch A Level Control
- Ch B Drive and Level Controls
- C-mos Limiting
- Active Variable Q Equalization

Specifications

	SL 160	SL 260
Power:	60 WATTS RMS, 90 WATTS maximum continuous (square wave)	60 WATTS RMS, 90 WATTS maximum continuous (square wave)
Load:	8 ohms	8 ohms
Channels:	2	2
Equalization:	Bass, Mid, Mid-Freq, Treble	Bass, Mid, Mid-Freq, Treble
Size & Number of Speakers	1-12 inch	2-12 inch
Speaker Models:	126	226
Input Sensitivity:	560 Microvolts at 1k Hz	560 Microvolts at 1k Hz
Input Impedance:	High Gain: 330k ohms Low Gain: 330k ohms Power Amp: 12k ohms	High Gain: 330k ohms Low Gain: 330k ohms Power Amp: 12k ohms
Output Impedance:	Line Out: 150 ohms Headphones: 330 ohms	Line Out: 150 ohms Headphones: 330 ohms
Weight:	38 lbs, 17.2 kg.	53 lbs, 24 kg.
Dimensions Ht x Depth x Width:	18 x 9½ x 19¾ In. 45.7 x 24.13 x 49.21 Cm.	18 x 19½ x 26¼ In. 45.7 x 24.13 x 66.36 Cm.

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**ENFORCER SERIES
GUITAR AMPLIFIERS**



Ever since Fleming discovered that the light bulb could be modified to control the flow of electrical current, engineers and scientists have explored the myriad capabilities of the vacuum tube. In audio applications this reached a crescendo in the late 1950's and early 1960's. With the advent of solid state circuitry, many believed that the transistor would be the vacuum tube's undertaker. And yet, in the 1980's, the vacuum tube is alive and well, especially among guitarists who value the warmth of tone, the quality of distortion and the expressive nature of the tube's dynamic characteristics. Recognizing these unique qualities, SUNN has created circuitry which best takes advantage of this uniqueness and proudly introduces the ENFORCER guitar amplifier.

The ENFORCER is a two-channel 100 watt instrument amplifier ruggedly built and designed for ease of use and ultimate versatility. This versatility is exemplified in the design of the two channels which embody two fundamentally different designs, each of which gained prominence during the course of amplifier evolution: In one design the equalization (tone controls) is located prior to the portion of the amplifier that saturates or musically distorts, and in the other

design the equalization is located post-distortion. There are other differences as well, but the end result is that each design treats signals in a different way, producing two distinctly different and musically pleasing sounds. In the ENFORCER, the player can choose at any moment which sound he prefers, since either channel may be selected individually by footswitch. As a bonus, both may be selected at the same time and mixed together in any proportion to obtain entirely new tonalities, never before available.

Preamp Drive and Master Level controls on each channel permit independent control of overdrive and volume. A Presence control and the amp's Reverb system are common to both channels. In the event that the full 100 watt output of the amplifier is not needed, a switch turns two of the output tubes off, lowering the power to 60 watts. A line level patch loop is also provided for the insertion of effects devices in the signal path, and a Line Out jack allows the entire sound of the ENFORCER to be patched to a mixing console or auxiliary power amplifier. Remote Channel selection is accomplished by footswitch, and the reverb may also be selected remotely.

FEATURES

- High and low gain inputs
- Two footswitch-selectable channels (A, B or both)
- Lighted channel status indicators
- Footswitch for remote channel selection with indicator LEDs
- All-tube preamps and power amplifier
- Independent Drive (Preamp Level), EQ and Master Level controls on each channel
- Pre-distortion EQ on Channel A, post-distortion EQ on Channel B
- Reverb with level control, common to both channels
- Presence control common to both channels
- Switch-selectable output power (60 watt / 100 watt)
- True line-level effects patching
- Dual speaker output jacks
- Reverb footswitch jack
- Line Out jack
- Standby switch
- Polarity switch

Specifications

Number of Channels	2
Input Sensitivity:	
Hi Gain Input:	100 microvolts RMS (all at 1 kHz, controls on 10)
Lo Gain Input:	200 microvolts RMS (all at 1 kHz, controls on 10)
Power Amp In:	.42 VRMS
Input Impedance:	
Hi Gain Input:	1 megohm
Lo Gain Input:	1 megohm
Power Amp In:	10K ohms
Preamp Output Impedance:	.5 ohms
Recommended Speaker Load Impedance:	4 ohms or 8 ohms in 100 w mode 8 ohms or 16 ohm in 60 w mode
Maximum Gain Available:	106 dB
Passive Equalization:	Bass, Mid, Treble, presence
Output Power:	Selectable 60 WATTS/100 WATTS

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**STAGEMASTER SERIES
GUITAR AMPLIFIERS**

412A

412B

A guitar amplifier does more than simply amplify a guitar; it is actually an extension of the guitar, a creative tool in the hands of the musician, and a major part of his sound. Because styles of music, techniques of playing, and types of guitars are so varied, a good guitar amplifier must be versatile, powerful and easy to use. With these thoughts in mind, SUNN has designed the Stagemaster.

The Stagemaster features high and low gain inputs to match the output levels of a wide variety of guitars. The two preamp channels include independent drive and output power controls, allowing the musician to play clean or dirty at any volume he chooses.

Typically, one channel would be set up for a rhythm sound and the other for a lead sound — the footswitch included with the Stagemaster allows the player to instantly change from one preset to the other at the tap of his foot. The footswitch also allows both channels to operate at the same time, with their individual sounds combining into a third distinct sound.

SUNN's cascaded CMOS overdrive circuitry saturates (musically distorts) smoothly and controllably, harmonically enriching the guitar's signal, and increasing its sustain.

The Stagemaster features quiet passive tone controls for the easy creation of standard guitar sounds and a separate uniquely designed "constant amplitude" parametric EQ section that permits exploration of more innovative sounds.

The Stagemaster's output power may be "dialed" from 1 watt to 120 watts without changing the basic tone of the amplifier, and a CMOS limiter prevents the power amplifier from going into harsh-sounding hard clipping. The 120 watt amp should be more than adequate for most applications; however, in the event that more power is needed, a Preamp Out jack allows the Stagemaster to be patched directly to the mixing console of the main PA, or to an auxiliary power amplifier driving extra speakers. An effects patch loop is also available using the Preamp Out jack and the Power Amp In jack, enhancing the Stagemaster's versatility.

Features

- High and low gain inputs to accommodate a wide variety of instruments
- Two footswitch-selectable channels (A, B or both)
- Lighted channel status indicators
- Footswitch for remote channel selection with indicator LEDs
- Independent Channel A and Channel B preamp level (preamp drive) controls
- Cascaded CMOS overdrive
- 3-band passive EQ
- Three function parametric EQ
- Reverb with level control
- CMOS limiter
- Independent power output controls for both channels
- Accessory patching (preamp out and power amp in)
- Variable Output Power (1 WATT to 120 WATTS RMS)
- Extension speaker jacks

Specifications

Number of Channels:	2
Input Sensitivity:	
Hi Gain Input:	300 microvolts RMS at 1 kHz
Lo Gain Input:	2 millivolts RMS at 1 kHz
Power Amp In:	.5 V RMS
Input Impedance:	
Hi Gain Input:	220 k ohms
Lo Gain Input:	220 k ohms
Power Amp In:	10 k ohms
Preamp Output Impedance:	150 ohms
Minimum Recommended Speaker Load Impedance:	4 ohms
Maximum Gain Available:	100 dB
Passive Equalization:	BASS, MID, TREBLE
Parametric Equalization:	
Modes:	BANDPASS, NOTCH, OFF
Q:	Continuously variable from 0 to 50
Depth:	Up to 15 dB
Center Frequency:	Continuously variable from 100 Hz to 5 kHz
Output Power:	1 WATT to 120 WATTS RMS

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**COLISEUM-300
BASS AMPLIFIER**



SPL 8028

215B

The Coliseum 300 is a state of the art bass control system with the features and flexibility demanded by today's musicians. Bass playing has changed over the years from the background player of the past to the dynamic fore-front players of today. This change has created a demand for new equipment. Many musicians have been forced to carry a rack of accessory units including preamps, equalizers, crossovers, compressors, limiters and power amps to achieve the sound they want. The Coliseum 300 has incorporated all these features into one control system with the quality expected from SUNN.

The bass guitar is an incredibly dynamic instrument. Creating a control system that will reproduce average playing levels and not distort when the high peaks of slapping and popping occur is not a trivial problem. Sunn has designed a system with 3 dynamic control devices; A preamp overload limiter, a power amp C-MOS limiter and a variable threshold compressor. With these monitoring systems, the Coliseum 300 is virtually impossible to distort with any guitar, and any playing style.

The Coliseum 300 has a 7 band combining graphic-type equalizer designed specifically for the bass guitar range. Each control affects a very important range of frequencies to give the player exacting control of the sound.

Sunn has also realized the necessity for easy, affordable biamping capabilities. The Coliseum 300 has a built-in electronic crossover, easily adjustable from 100 to 1000Hz via the front panel control. Plugging a cord into the high or low frequency crossover SEND, extracts that signal from the unit, while the other signal continues straight through the Coliseum 300.

The Coliseum 300 includes an effects patching loop (pre master level), a crossover patching loop, a power amp input, a pre-amp line out jack that can easily be wired in one of 3 configurations, depending on whether you want the crossover effects signal to appear on it, or whether you want to adjust its output with the master level control.

Features

- Brite and Normal Inputs
- Input Gain Control
- Adjustable Electronic Crossover
(for bi-amping and frequency adjustable effects patching through high and low sends and returns.)
- Power Amp Limiter with LED Indicator
- Compressor with Adjustable Threshold, Active compression LED Indicator and on/off switch
- Internal Overload Limiter with LED Indicator
- Effects Patch Loop
- Pre-amp out (Jumper selectable from 3 points in pre-amp, pre Volume, post volume and post crossover)
- Power-amp Input
- Internal Cooling Fan
- Contour Switch
- Master Level Control
- Seven Band Active Equalization
- 300 WATTS RMS at 2 ohms

Specifications

Power Output: (at power supply limit)	300 WATTS RMS @ 2 ohms 200 WATTS RMS @ 4 ohms 120 WATTS RMS @ 8 ohms
Equalization:	Combining filters at 62.5 Hz, 125 Hz, 250 Hz, 500 Hz, 1k Hz, 2k Hz, 4k Hz, with 15dB boost and cut. 12dB/octave adjustable. 100 Hz to 1000 Hz, low output inverted.
Electronic Crossover:	2:1 ratio with adjustable threshold
Compressor:	+6dB at 60 Hz. - 3dB @ 500 Hz + 6dB @ 4k Hz
Contour:	500 Hz corner frequency, +3dB @ 1k Hz, +10dB @ 5k Hz
Brite Input Jack:	470k ohms
Input Impedance:	20dB to 45dB
Input Gain Range (EQ flat, contour out)	150 ohms
Effects and Crossover Output Impedance:	27k ohms
Effects Return Input Impedance:	33k ohms
Crossover Return Input Impedance:	15k ohms
Power Amp Input Impedance:	30dB
Power Amp Gain:	1V RMS for full output
Power Amp Sensitivity:	24 x 7 3/4 x 11 1/4 in.
Dimensions:	60.9 x 19.7 x 29.8 Cm.
Height x Depth x Width:	38 lbs, 17.24 Kg.
Weight:	

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Features

- 150W at 8 ohms, 200 W at 4 ohms
- Normal and Brite inputs
- 4-band active equalization
- Compressor/Limiter
- Effects patch loop
- Sunn custom designed 15" speaker
- C-Mos power amp limiter
- Compressor LED indicator
- Overload LED indicator
- Power amp limit LED indicator
- Input Gain control
- Master level control
- Compressor threshold control
- Contour limit switch
- Bass reflex enclosure design
- Extension speaker jack
- Specially formulated PVC extrusion on all edges for improved cabinet life.

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**COLISEUM-300
BASS AMPLIFIER**



SPL 8028

215B

The Coliseum 300 is a state of the art bass control system with the features and flexibility demanded by today's musicians. Bass playing has changed over the years from the background player of the past to the dynamic fore-front players of today. This change has created a demand for new equipment. Many musicians have been forced to carry a rack of accessory units including preamps, equalizers, cross-overs, compressors, limiters and power amps to achieve the sound they want. The Coliseum 300 has incorporated all these features into one control system with the quality expected from SUNN.

The bass guitar is an incredibly dynamic instrument. Creating a control system that will reproduce average playing levels and not distort when the high peaks of slapping and popping occur is not a trivial problem. Sunn has designed a system with 3 dynamic control devices; A preamp overload limiter, a power amp C-MOS limiter and a variable threshold compressor. With these monitoring systems, the Coliseum 300 is virtually impossible to distort with any guitar, and any playing style.

The Coliseum 300 has a 7 band combining graphic-type equalizer designed specifically for the bass guitar range. Each control affects a very important range of frequencies to give the player exacting control of the sound.

Sunn has also realized the necessity for easy, affordable biamping capabilities. The Coliseum 300 has a built-in electronic crossover, easily adjustable from 100 to 1000Hz via the front panel control. Plugging a cord into the high or low frequency crossover SEND, extracts that signal from the unit, while the other signal continues straight through the Coliseum 300.

The Coliseum 300 includes an effects patching loop (pre master level), a crossover patching loop, a power amp input, a pre-amp line out jack that can easily be wired in one of 3 configurations, depending on whether you want the crossover effects signal to appear on it, or whether you want to adjust its output with the master level control.

Features

- Brite and Normal Inputs
- Input Gain Control
- Adjustable Electronic Crossover (for bi-amping and frequency adjustable effects patching through high and low sends and returns.)
- Power Amp Limiter with LED Indicator
- Compressor with Adjustable Threshold, Active compression LED Indicator and on/off switch
- Internal Overload Limiter with LED Indicator
- Effects Patch Loop
- Pre-amp out (Jumper selectable from 3 points in pre-amp, pre Volume, post volume and post crossover)
- Power-amp Input
- Internal Cooling Fan
- Contour Switch
- Master Level Control
- Seven Band Active Equalization
- 300 WATTS RMS at 2 ohms

Specifications

Power Output: (at power supply limit)	300 WATTS RMS @ 2 ohms 200 WATTS RMS @ 4 ohms 120 WATTS RMS @ 8 ohms
Equalization:	Combining filters at 62.5 Hz, 125 Hz, 250 Hz, 500 Hz, 1k Hz, 2k Hz, 4k Hz, with 15dB boost and cut.
Electronic Crossover:	12dB/octave adjustable. 100 Hz to 1000 Hz, low output inverted.
Compressor:	2:1 ratio with adjustable threshold
Contour:	+6dB at 60 Hz. - 3dB @ 500 Hz + 6dB @ 4k Hz
Brite Input Jack:	500 Hz corner frequency, +3dB @ 1k Hz, +10dB @ 5k Hz
Input Impedance:	470k ohms
Input Gain Range (EQ flat, contour out)	20dB to 45dB
Effects and Crossover Output Impedance:	150 ohms
Effects Return Input Impedance:	27k ohms
Crossover Return Input Impedance:	33k ohms
Power Amp Input Impedance:	15k ohms
Power Amp Gain:	30dB
Power Amp Sensitivity:	1V RMS for full output
Dimensions:	24 x 7¾ x 11¾ In.
Height x Depth x Width:	60.9 x 19.7 x 29.8 Cm.
Weight:	38 lbs, 17.24 Kg.

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INSTRUMENT AMPLIFICATION SYSTEMS



Features

- 150W at 8 ohms, 200 W at 4 ohms
- Normal and Brite inputs
- 4-band active equalization
- Compressor/Limiter
- Effects patch loop
- Sunn custom designed 15" speaker
- C-Mos power amp limiter
- Compressor LED indicator
- Overload LED indicator
- Power amp limit LED indicator
- Input Gain control
- Master level control
- Compressor threshold control
- Contour limit switch
- Bass reflex enclosure design
- Extension speaker jack
- Specially formulated PVC extrusion on all edges for improved cabinet life.

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**SB-160
BASS AMPLIFIER**



The SB 160 Bass amplifier was designed as a medium power portable bass guitar amplifier with the features and flexibility required by today's musicians.

Two C-MOS stages have been placed in critical locations in the signal path, one in the preamp and one in the power amp. The C-MOS stage in the preamp has been designed so that any overload condition in the preamp will take place in the C-MOS where it is controlled and harmonically enriched. A C-MOS limiter placed in the power amp senses when a signal is potentially high enough to clip the power amplifier. As the signal approaches clipping, the C-MOS limiter begins to round off the signal, or soft limit, preventing harsh power amp clipping. The effect is essentially inaudible until extreme overdrive conditions occur, then the distortion is warm and controlled.

The SB 160 tone controls are optimized for the frequency range of the bass guitar and are designed to be effective and easy to use. The Bass, Mid and Treble controls are all active cut and boost type. The controls were designed such that in the center click position they will yield a smooth, pleasing sound you can adjust to your taste. The Mid Frequency control in conjunction with the Mid control give the SB amp a variable Q, sweeping notch or boost filter, which expands the sounds this amp can create. A Brite switch has been included giving extra high frequency boost if desired.

The back panel has a full complement of features including a headphone jack, an accessory patch loop and an extension speaker jack. The internal speaker, designed for the SB 160, has a 30 oz. magnet with 160 watt program rating.

Features

- High and Low Gain Inputs
- Input Gain Control
- Master Level Control
- Active Variable Q Equalization
- Headphone Jack
- External Speaker Jack
- Brite Switch
- Accessory Patch Loop (pre-amp out, power amp in)
- 24 db/octave Subsonic Filter
- Two C-mos Limiter Stages

Specifications

Power:	60 WATTS RMS at 1k Hz, less than 10% THD 90 WATTS maximum continuous square wave
Load:	8 ohms
Equalization:	BASS, ±15dB, 40 Hz to 160 Hz, MID, ±12dB MID-FREQ, variable 200 Hz to 850 Hz TREBLE, ±15dB, corner frequency 750 Hz BRITE SWITCH, ±10dB, corner frequency 1 kHz
Speaker Model:	558
Input Sensitivity:	2.5mV at 250 Hz, HI GAIN input all controls at max 7mV at 250 Hz, LO GAIN input all controls at max
Input Impedance	
High Gain	330k ohms
Low Gain	330k ohms
Power Amp In	12k ohms
Output Impedance:	
Line Out	150 ohms
Headphones	390 ohms
Weight:	55.6 LBS./25.22KG
Dimensions:	22.8" x 11.25" x 23.1"
(Ht x Depth x Width)	57.91cm x 28.57cm x 58.67cm

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SPEAKER SYSTEMS



Sunn has been designing and manufacturing loudspeakers since 1973. We manufacture several different models of loudspeakers and enclosures to exactly meet specific requirements. Sunn does not use any cone loudspeaker that is manufactured by another company, so we never compromise on design, trying to make someone else's product fit our needs.

These speaker systems represent the classic design quality that Sunn is best known for. Solid construction and strong, punchy performance make these the type of enclosures players will keep for years.

Specifications	412A/B	215B	SPL8028
Impedance:	8 ohms	4 ohms	4 ohms
Power Handling:	300 WATTS	200 WATTS	700 WATTS
Enclosure Design:	Infinite Baffle	Ported	Ported
Size & No. of Speakers:	4-12"	2-15"	1-12", 1-18"
Speaker Models:	126	145	SPL912E, SPL918
Speaker Impedance:	8 ohms	8 ohms	8 ohms
Dimensions (H x W x D):	28½ x 28½ x 14¼	40" x 24" x 15"	40" x 25" x 21"
Weight:	77 lbs.	85 lbs.	147 lbs.



PROTECTIVE COVERS

Preserve the life and appearance of your Sunn equipment with Sunn's own Soft Protective Covers. These custom covers are made of heavy duty material with rugged, reinforced stitching for durable good looks and long lasting wear. They will protect your Sunn equipment from the unavoidable bumps, scratches, dust and weather that could affect its performance. It's quality protection for quality products ... from Sunn.

SUNN ELECTRONICS' LIMITED WARRANTY

SUNN ELECTRONICS warrants new electronic products to be free from defective materials and workmanship for a period of three years from date of purchase to the original owner when purchased from an Authorized SUNN Dealer.

Speakers carry a one year warranty from date of purchase.

Light bulbs, vacuum tubes and meters carry a 90 day warranty from date of purchase.

The following conditions apply to all SUNN product warranties:

The purchaser is responsible for completing and mailing to SUNN, within 15 days of purchase, the warranty application enclosed with each product. Upon receipt of the warranty application, SUNN will issue a warranty validation sticker that must be affixed to the product. Where a warranty validation area has not been provided on a few SUNN products, the validation sticker is to be affixed to your original proof of purchase and presented at the time of warranty service. **PROOF OF PURCHASE ON UNREGISTERED EQUIPMENT IS NOT SUFFICIENT FOR RECEIVING IN-WARRANTY SERVICE.** In the event you do not receive your validation sticker within 60 days of mailing, you are to notify SUNN ELECTRONICS in writing immediately. The purchaser has the sole responsibility for completing and mailing the warranty application.

SUNN products that have been subject to accident, alterations, abuse,

rental or defacing of the serial number are not covered by this warranty. Loudspeakers and drivers misuse due to overpowering or improper installation resulting in torn, burned or charred components will not be covered by this warranty.

The normal wear and tear of appearance items such as handles, corners, casters and knobs are not covered under this warranty.

If your SUNN product requires service during the warranty period, SUNN will repair or replace, at its option, defective materials provided you have identified yourself as the owner of the validated product to any SUNN authorized service center or contact SUNN for service assistance. Transportation charges to and from an authorized service center or factory for SUNN products and components to effect repairs shall be the responsibility of the owner. In the event a product is to be returned to SUNN for repairs, a written return authorization from SUNN must be obtained prior to shipping.

SUNN is not liable for any incidental or consequential damages resulting from any defect or failure of this instrument other than the repair of the SUNN product subject to the terms of this warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is expressly in lieu of all other agreements and warranties, expressed or implied, except as may be otherwise required by law.

SUNN ELECTRONICS 19350 SW 89TH AVENUE TUALATIN, OREGON 97062 PHONE (503) 692-4650

Specifications subject to change without notice

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