

Ihr SPECTRON-Händler ☛ Your SPECTRON Dealer

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X-RAY



SOUNDMANIA





SPA2200Z

CAR&HI-FI 6/05
PREIS/LEISTUNG Hervorragend

Massive punch and a classy design - with the 2-channel SPA2200Z and the 4-channel SPA4100Z amplifiers, SPECTRON presents two hot performers with even more power and greater stability than any other amp in this price class.

The heat sinks of both amps are dimensioned appropriately and have a black anodized finish for maximum heat dissipation.

Power features: **⚡** MOSFET power supplies for reliability and maximum efficiency **⚡** fully autorouted board design and sealed type potentiometers **⚡** integrated, electronic high-pass and low-pass filters with 12 dB/oct. slopes and variable cutoff frequencies from 32 to 320 Hz **⚡** continuously adjustable input sensitivity from 0.3 to 4.2 V **⚡** extensive protection circuitry **⚡** both amps are stable at 2 ohms and can be used in bridge mode

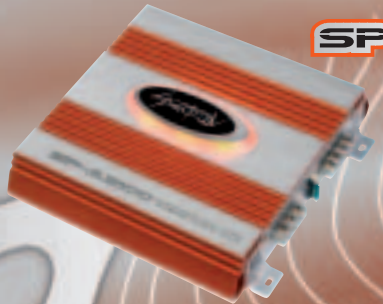


SPA4100Z

POWER AMPLIFIERS

SPECTRON's new amplifier line delivers fancy impulses with its refined specs and the fashionable design. Innovative bicolor extrudal housing design in orange color, with brushed segments and illuminated logos, as well as proven features. High performance and astounding audio quality makes the Power series your best partner for sound while you're on the fast lane. Power features: **⚡** BJT power amp design with heavy-duty MOSFET power supply **⚡** integrated 12 dB/oct. electronic crossovers with variable high-pass and low-pass frequencies, continuously adjustable from 40 to 300 Hz **⚡** integrated bass boost with 12 dB at 45 Hz for even more power in the deep-bass range **⚡** input sensitivity continuously adjustable from 0.2 to 5 V **⚡** RCA output for input signal feed-through **⚡** extensive protective circuitry, status LEDs **⚡** all amps stable at 2 ohms; each channel pair can be used in bridge mode **⚡** massive power and speaker terminals

SPECTRON's muscular mono SP-A1500D, with over 1 kW power output into 1 ohm load, features an integrated 12 dB/oct. subsonic filter (variable from 15 to 55 Hz) and an integrated 12 dB/oct. active crossover with a variable low-pass frequency (40 to 150 Hz). The integrated bass boost, 1 ohm stability and an external bass level remote control round out the feature set of the subwoofer amp.



SP-A2100



SP-A2200



SP-A4150



SP-A1500D

Power Amplifiers	SP-A1500D	SP-A2100	SP-A2200	SP-A4150	SPA2200Z	SPA4100Z
Peak Power Output @4 ohms	1 x 450 W	2 x 100 W	2 x 140 W	4 x 100 W	2 x 100 W	4 x 75 W
Rated Power Output @4 ohms	1 x 350 W RMS	2 x 60 W RMS	2 x 100 W RMS	4 x 75 W RMS	2 x 93 W RMS	4 x 62 W RMS
Rated Power Output @2 ohms	1 x 400 W RMS	2 x 98 W RMS	2 x 180 W RMS	4 x 100 W RMS	2 x 128 W RMS	4 x 81 W RMS
Rated Power Output, bridged @4 ohms	n.a.	1 x 180 W RMS	1 x 250 W RMS	2 x 180 W RMS	1 x 250 W RMS	2 x 154 W RMS
Damping Factor (4 ohms)	> 100	> 100	> 100	> 100	> 100	> 100
Signal-to-Noise-Ratio (A-Filter)	> 85 dB	> 90 dB	> 90 dB	> 90 dB	> 82 dB	> 79 dB
Frequency Response (+ 0 dB/-1 dB)	20 Hz - 30 kHz	20 Hz - 30 kHz	20 Hz - 30 kHz	20 Hz - 30 kHz	20 Hz - 40 kHz	20 Hz - 40 kHz
Channel Separation	n.a.	> 50 dB	> 50 dB	> 50 dB	> 45 dB	> 45 dB
Dimensions (W x D x H), mm	254 x 400 x 47	254 x 230 x 47	254 x 320 x 47	254 x 360 x 47	250 x 292 x 62	250 x 334 x 62

DVD/MP3/CD PLAYERS

Listen to the radio, play CDs or MP3 discs, watch a DVD - with Spectron's new 1 DIN head units, you've got all the options. The anti-shock DVD drives recognize and play virtually any Audio or Video disc or file format. Of course, NTSC and PAL video signal formats are both supported as well. Both tuners support ID3 tags that contain information on the individual tracks (title, artist) which is displayed while the tracks are playing. These tags are also helpful for quick navigation in the scroll menu.



DVD/MP3/CD TUNER **SPH2400DVD**

- ⊛ high quality self loading disc mechanism with anti-shock system
- ⊛ playback of CD, VCD, SVCD, CD-R/RW, DVD, DVD-R/RW, DVD+R/RW, MP3, JPEG, Picture CD
- ⊛ ID3-tag display on external monitor
- ⊛ PAL/NTSC compatible
- ⊛ Region code 2
- ⊛ detachable flip-down front panel with rotary volume knob, Multi-color display
- ⊛ graphical user interface with on-screen display
- ⊛ integrated Dolby Digital decoder
- ⊛ AM/FM tuner with 30 radio presets
- ⊛ RDS with AF, EON, TA, TP and PTY
- ⊛ integrated high power amp with 4 x 40 W
- ⊛ 2 x RCA video output, 4-channel RCA audio line outputs, 1 x RCA subwoofer output
- ⊛ ISO-DIN connector for power supply and speaker outputs
- ⊛ built-in fan
- ⊛ IR-remote control



STANDALONE PLAYER **SPH100DVD**

- ⊛ DVD/MP3/WMA/CD Standalone Player
- ⊛ DVD transport mechanism with 16 MB electronic-shock memory
- ⊛ playback of CD, CD-R/RW, MP3, WMA, VCD, SVCD, DVD, DVD-R/RW, DVD+R/RW, JPEG and Picture CD
- ⊛ PAL/NTSC compatible
- ⊛ Regional Code 2
- ⊛ graphical user interface with on-screen display menu
- ⊛ integrated Dolby Digital decoder
- ⊛ 2 x A/V-output
- ⊛ 1 x S-Video output
- ⊛ 1 x coaxial digital output
- ⊛ external IR-sensor with extension cable
- ⊛ IR-remote control

MULTIMEDIA



POWERCAP

SPECTRON's PowerCap lets you max out even the most power-hungry amps while stabilizing the electrical system's voltage to an absolutely constant value. The quality capacitor buffers current like a battery, but can deliver its stored energy to the amp within milliseconds when needed - and extend the life of your car's battery in the bargain.

- ⊛ 1 Farad capacitor
- ⊛ 19 V Surge Voltage
- ⊛ red LED voltage display
- ⊛ very low E.S.R. value
- ⊛ mounting brackets included

SPF-01



SPM62LCD

UNIVERSAL MONITOR






Whether you need a monitor to entertain the passengers in the back with the latest DVD or to rivet them with a video game - SPECTRON's 6.2"/16:9 universal monitor stands out with its high-contrast, razor-sharp and brilliant images.

The SPM62LCD has a high-resolution TFT LCD active matrix color display with high luminance. The LCD panel has an antireflective coating for enhanced contrast - a useful feature in extremely bright surroundings. SPECTRON's universal monitor - whether installed in headrests or dashboards - can be combined with any common DVD, VCR, TV or DVB-T signal sources.

Its features:

- ⊛ 6.2"/16:9 aspect ratio TFT-LCD panel
- ⊛ 1440 x 234 pixels panel resolution with a total count of 336'960 dots
- ⊛ high contrast LCD screen with 138 x 77 mm active display area
- ⊛ large viewing angle left/right > 60° / above > 30° / below > 60°
- ⊛ Multi-norm system with PAL/NTSC/SECAM auto switching
- ⊛ setup and picture adjustment by on-screen display menu
- ⊛ A/V extension cord with multiconnector for power supply and A/V-input
- ⊛ 1 x A/V input
- ⊛ integrated loudspeaker
- ⊛ IR-remote control
- ⊛ inclusive multifunctional "quick-snap" stand mount and headrest bezel for flush mounting

The mid/woofers of SPECTRON's Z-compos are based on structure reinforced Euro-DIN stamped steel baskets with efficient rear vents for the spider. Rigid, low-resonance woven glass-fiber cones deliver precise bass and clean mid-range.

Features of the mid/woofers:  powerful strontium ferrite magnets with rubber covers  long-lasting butyl rubber surrounds  25 mm voice coils on Kapton formers  extended center pole  gold-plated terminals

These are paired with 25 mm soft-dome Neodymium tweeters. The tweeters come with adapters for flush and recessed installation.

Compact 6/12 dB crossovers handle the frequency distribution. The crossovers are based on fiberglass boards and quality components such as a MKT metallized foil capacitor for the tweeter and a low-impedance inductor for the mid/woofer. The high-frequency level can be adjusted in three steps with a jumper on the crossover board.



SPC25Z



SPC26Z

COMPONENT SYSTEMS










SP-025C



SP-026C

Break away from the crowd with 2-way separate systems in hot flaming chrome design! Looks aren't everything, though - many other speakers simply pale next to the feature set of SPECTRON's new series.

Mid/woofer features:  chromed steel baskets  powerful strontium ferrite magnets  structured polypropylene cones  phase plugs  butyl rubber surrounds  heavy-duty 42 mm voice coils on KSV formers  specially designed protective grilles

The 25 mm Neodymium tweeters feature ferrofluid cooling and aluminum domes; they are supplied complete with installation adapters for flat, angled, or flush mounting. Both component sets feature external crossovers with 6/12 dB topology, where two high-frequency volume levels can be selected on the pcb of the crossover.

Additional mounting option: the tweeters of the new compos can also be installed coaxially to the mid/woofers. When mounting the tweeters separately, just snap on the chromed phase plugs to the center poles of the mid/woofers.

SPECTRON coaxial and triaxial systems are the easiest way to radically improve the sound in your car. The range includes the 2-way systems SPC5ZX (13 cm), SPC6ZX (16.5 cm), and the 6 x 9" SPC69ZX triaxial.

The features of the mid/woofers were taken from the SPECTRON compos: rugged stamped steel baskets glass fiber cones butyl rubber surrounds strontium ferrite magnets with rubber covers 25 mm voice coils on Kapton formers gold-plated terminals

These are paired with compact 19 mm soft-dome Neodymium tweeters. The rotary swivel-action tweeters turn 360° and can be tilted to suit the acoustics of the vehicle's interior. Both coaxials use MKT metallized foil capacitors for the tweeter high-pass, a solution that enhances sound and longevity.



SPC5ZX



SPC6ZX

This three-way system features power-handling reserves, strontium ferrite magnets for high efficiency, and great sound thanks to the woven glass fiber cone and rugged 38 mm Mylar midrange dome. Highlight of the SPC69ZX is the 13 mm tweeter: it's made of polyethyleneimine (PEI).



SPC69ZX

COAXIALS & TRIAXIALS



SP-025X



SP-026X



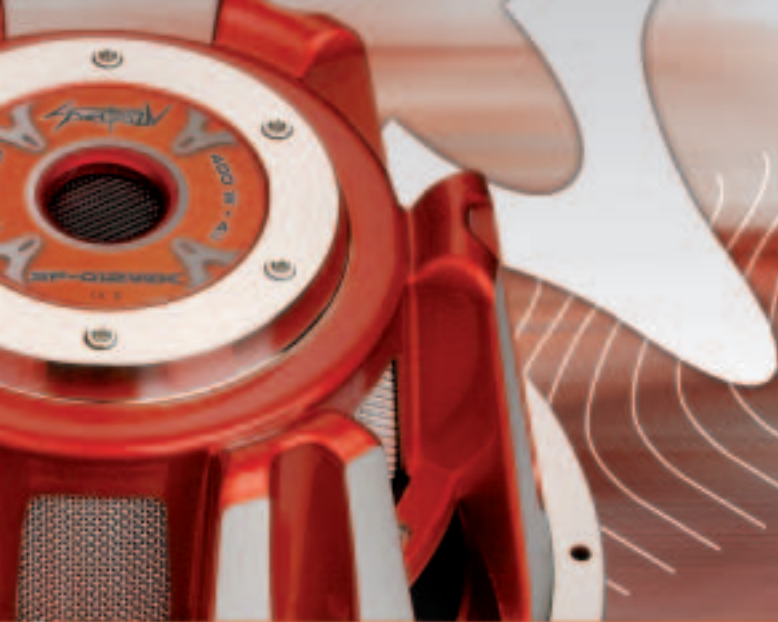
SP-0369X

The bass/midrange unit of SPECTRON's 3-way triaxial sports the same design features as the coaxial systems. The ferrofluid-cooled 13 mm tweeter features a PEI dome and a Neodymium driver; the mid-range is reproduced by a 50 mm PEI cone driven by a ferrite magnet.

They've got the looks - the new SPECTRON's coaxial and triaxial systems are now also available in flaming chrome. Available for 13 cm, 16 cm, or 6 x 9" cutouts, these speakers deliver a solid bass foundation, detailed midrange and crisp high frequencies.

Features: chromed steel baskets powerful strontium ferrite magnets structured PP cones long-lasting butyl rubber surrounds heavy-duty 25 mm voice coils on KSV formers A special feature is the 13 mm tweeter with its Neodymium magnet: it consists of polyethyleneimine (PEI) dome, a hard plastic which has good inner damping and is stable over a wide temperature range.

Speaker Systems	SP-025C	SP-026C	SPC25Z	SPC26Z	SPC5ZX	SPC6ZX	SPC69ZX	SP-025X	SP-026X	SP-0369X
Peak Input Power	120 W	140 W	100 W	120 W	100 W	120 W	160 W	100 W	120 W	200 W
Contin. Input Power	100 W	120 W	80 W	100 W	80 W	100 W	120 W	80 W	100 W	160 W
Sensitivity (1W/1m)	89 dB	91 dB	89 dB	91 dB	89 dB	91 dB	93 dB	89 dB	91 dB	93 dB
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Frequency Response	65 Hz-25 kHz	55 Hz-20 kHz	65 Hz-25 kHz	55 Hz-25 kHz	65 Hz-25 kHz	55 Hz-25 kHz	45 Hz-25 kHz	65 Hz-25 kHz	55 Hz-25 kHz	45 Hz-25 kHz
Cutout Diameter	118 mm	141 mm	120 mm	145 mm	120 mm	145 mm	6 x 9"	115 mm	127 mm	6 x 9"
Mounting Depth	64 mm	54 mm	59 mm	69 mm	59 mm	65 mm	82 mm	54 mm	59 mm	89 mm



SP-012W

Your best buy for bass: the SP-012W, a 12" power woofer that delivers maximum levels to bass addicts on a budget.

This muscular machine is designed for sealed and ported enclosures and can easily handle input power levels of up to 500 watts. The features of the new SPECTRON hardcore driver speak an unmistakable language: chromed steel basket in the new flaming chrome design powerful internal 55 oz. strontium ferrite magnet PP injection cone with high rigidity for its mass heavy-duty butyl rubber surround heat-resistant 2.5" copper voice coil, wound in four layers; extended, vented center pole massive terminal binding posts

Woofers	SPC12Z	SP-012WX	SP-012W
Usable Frequency Response	25-150 Hz	25-150 Hz	25-150 Hz
Continuous Power Handling	350 W	350 W	300 W
Peak Power Handling	450 W	700 W	600 W
Nominal Impedance	4 Ohms	2 x 4 Ohms	4 Ohms
Voice Coil Diameter	2 7/50 mm	2.5 7/63 mm	2.5 7/63 mm
Sensitivity (1 W/1 m)	89 dB	89.5 dB	85.3 dB

WOOFERS



SPC12Z

SPECTRON's 12" SPC12Z woofer delivers power and impressive value.

Its features: powder-coated, reinforced stamped steel basket powerful strontium ferrite magnet system for best bass impact and high efficiency rubber magnet cover protects the drive against damage PP injection cone with high rigidity inverse dustcap for additional cone reinforcement gold-plated screw terminals

With its 4-layer 2" Kapton voice coil and extended, vented pole piece, the SPC12Z can also handle higher input power levels. Thanks to its favorable Thiele-Small parameters, the new Z-woofer is suitable for any type of deployment.



SP-012WX

A cool look and the power you need: the diamond-cut milling and orange metallflake finish of the die-cast aluminum basket of SPECTRON's 12" high-energy woofer leaves a lasting impression – and not just visually. The facts of this new bass machine speak for themselves: ultra-powerful 67.5 oz. strontium ferrite magnet

extremely stiff glass fiber compound cone broad, highly flexible polyether foam surround for maximum excursion heat-resistant 2.5" dual voice coil with round-section copper wire on black anodized aluminum former extended, vented center pole massive spring-loaded push terminals

With a peak power rating of 700 Watts, SPECTRON's 12" beast has what it takes to lay down a hammering beat – and to wipe the floor with competitors in higher price classes. The SP-012WX is optimized for sealed and compact ported boxes.





Massive punch from a compact enclosure – SPECTRON's new bandpass box lets you unleash serious power. The SP-0112BP features a 12" woofer with a hefty magnet that goes to work with depth and precision in the 45-liter enclosure.

The visual highlight of the box is its Plexiglas front panel and orange interior lighting from LEDs installed in the back panel.

The meticulously designed MDF enclosure features two optimized ports in the top panel to ensure powerful bass, even when the trunk is full.

SP-0112BP



The '1L' at the end of the code gives it away: SPECTRON's SBP1200IL bandpass enclosure is illuminated. Four blue LEDs are positioned in the corners behind the Plexiglas window – and they're in it for the long haul.

The MDF housing is also innovative, with its curved acrylic glass. High-quality terminals for the woofer and on the rear wall of the box, as well as the 10 cm silver port on the right-hand side, signal that the SBP1200IL is a power box for experts. The 12" woofer used in this model has a massive magnet drive with a 2" Kapton voice coil and a rigid cone controlled by a long-lasting rubber surround. The powerful woofer and optimal dimensions of the housing guarantee high efficiency and solid deep-bass reproduction.

SBP1200IL

TRUNK BOXES

The SPC1250IL is SPECTRON's third illuminated bass box. The interior lighting – with two blue LEDs and a mirror recessed in the base of the chamber – make this bandpass box a real eye catcher.

A scratchproof acrylic glass window gives you a clear view of the fat 12" driver, with its die-cast basket, air-dried paper cone and long-lasting rubber surround. The 2" voice coil is powered by a 60 oz. strontium ferrite magnet; the magnet system's central vent hole and additional rear vents for the spider guarantee high power-handling.

A generous port channel opening at the left front face of the box ensures perfect coupling of the air inside the port to the surrounding air – port noise is never an issue thanks to the port's large cross section.

SPC1250IL



The compact SPC300Z can easily hold its own in the face of larger (and more expensive) competitors. With its 12" woofer (30 oz. magnet, stiff PP injection cone, rubber surround), this bass box delivers impressive levels and excellent efficiency – even when driven by relatively modest amps.

The other features of the SPC300Z are also convincing: 16 mm MDF with a space-saving sloped rear wall, internal damping and a high-quality black felt cover. The 10 cm port with its rounded flange and nickel-plated screw terminals complete the feature set. And for a real eye catcher, a chromed tribal-design woofer grille protects the SPC300Z's driver against damage. Go for it!

SPC300Z

autohifi 1/2006
Einstufung Mittelklasse
Kaufwert *****



Trunk Boxes	SP-0112BP	SPC300Z	SBP1200IL	SPC1250IL
Peak Input Power	400 W	300 W	500 W	500 W
Continuous Input Power	300 W	175 W	400 W	400 W
Sensitivity (1W/1m)	92 dB	91 dB	93 dB	93 dB
Frequency Response	30 - 150 Hz	40 - 150 Hz	25 - 120 Hz	25 - 120 Hz
Nominal Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Dimensions (H x W x D, cm)	40 x 45 x 36	34.7 x 50.5 x 34.5	42 x 42.5 x 42	40.5 x 53 x 40