



SAT 3 POWERED

The KS AUDIO SAT 3 consists of a powered mono subwoofer with integrated amplifiers and a controller unit in one handy cabinet and two KS AUDIO C 1 satellite speakers, using a 10" driver and 1" compression HF driver handling 400 watts.

The HF driver is connected behind a directivity horn with HDSP® technology. The sound dispersion design of the HDSP mid/high frequency horn and its electronic blending with the bass/mid-range driver is very unique. The HDSP® design results in multiple integrated dispersion angles that widen downwards towards the near field of the speaker while maintaining tight pattern control and long throw capability. The vertical bending of the HF wave front continues thru the cut-off frequency as well as the crossover frequency, without any variance in the frequency response. This means that with a standard two-speaker setup, the audience in close proximity to the speakers will enjoy the same audio quality and definition as those further away. For more details see page 9. The woofer starts working at 38 Hz and at 600 watts, toneburst 1,200 watts and is responsible for a fundamental energetic bass enough even for the bigger venue. All controller electronics are on board the subwoofer CB 18, three amplifiers - woofer, left, right - with a peak power of 2kW, a DSP using FIR CONTROL® with corresponding compressors and limiters to ensure safe operation. The electronically balanced input is in the form of XLR-F connectors. Speakon speaker outputs, a PowerCON power inlet with on/off switch, and a USB port for operating and set-up the SAT 3 system using a PC with KS AUDIO REMOTE 3 software, level controls with display and a mute switch are further features of this system. The SAT 3 Satellite PA by KS AUDIO is a processor-controlled high performance sound reinforcement system with extraordinary features fitting easy in any compact car.

THE SAT 3 CAN BE EASILY EXTENDED BY ADDING ONE UNPOWERED CW 18, WHICH IN THIS CASE WILL BE POWERED by connecting to the existing CB 18 subwoofer as well.

Technical Specifications

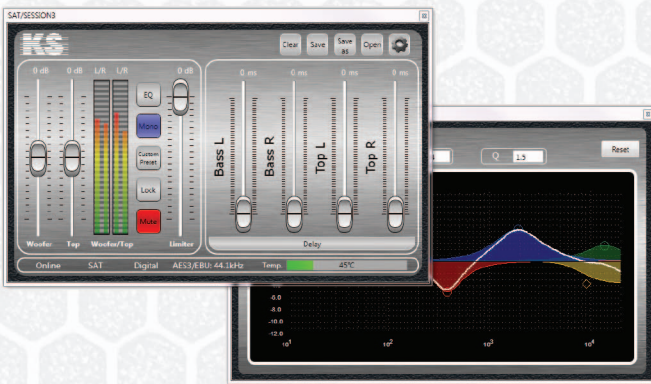
frequency response
output SPL (pink noise at 6dB crest factor)
dispersion angle (horizontal x vertical in degrees)
integrated amplifier / system controller type
components

transducers CB 18 / C1
power rms in Watts (AES standard)
amplification / x-over
input signal
input / output connectors
cabinet
grill
finish
dimensions (height x width x depth)

weight (without options)
features
options

SAT 3 powered

38 - 19,000Hz +/-3dB
134dB (complete system)
CB 18 - omni directional / 2 x C 1 in HDSP® details page 10
PWM, SMPS with PFC / FIR CONTROL® DSP
1 x CB18 + 2 x C1
an additional CW 18 1 x 18" subwoofer can be added
1 x 18" + 2 x 10"+1" in HDSP technology - see page 9
1,200 + 2 x 400 / 2kW (1,200 + 2 x 400 Wrms with extra CW 18)
SAT mode / 120Hz + 1,200Hz
automatic detection of analog or digital AES/EBU XLR3
XLR3 / Speakon NL4 left-right-ext.subwoofer
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
1x CB 18 54 x 54 x 66 cm 21.2" x 21.2" x 25.9"
2 x C 1 50 x 29 x 28 cm 19.6" x 11.4" x 10"
CB 18 38 kg 84 lbs C 1 17 kg 37 lbs
M20 pole mount, self regulating power supply
black HD covers, frontcover with wheels,
finish available in 200 RAL colors



SAT 3



Technical Specifications

frequency response
output SPL (pink noise at 6dB crest factor)
dispersion angle (horizontal x vertical in degrees)
recommended amplifier / system controller type

transducer
power rms / peak in Watts (AES standard)
amplification / x-over
input / output connectors
cabinet
grill
finish
dimensions (height x width x depth)
weight (without options)
features
options

CW 18 unpowered

38 - 120Hz
126dB / 132dB peak
omni directional
KS CB 18 active subwoofer (SAT 3) or
KS amplifiers CA 4D, TA 2D, TA 4D
/ D MOD® or FIRMOD2®
18" long excursion cone / 4.5" voice-coil
600 / 1,200
woofer mode / hi-cut 120Hz
Speakon NL4
birch plywood
perforated RVS + acoustic foam (inside)
charcoal polyurethane
54 x 54 x 66 cm 21.2" x 21.2" x 25.9"
40 kg 88 lbs
M20 pole mount
black HD cover, frontcover with wheels,
finish available in 200 RAL colors



CW 18