

EXPERT DSA 500 RT

DSA500 RT: Active Digital 2.1 subwoofer

Powerfull subwoofer box, "all inside" concept and compact design



Front channel amplification 2 x 65 Wrms

- Low latency integrated DSP
- High level / Low level inputs
- "Auto power on" feature
- Preamp out" feature





600 Watts oversized power supply

Bandpass Subwoofer 165Wrms – long stroke 6x9

WHAT MAKES THE DIFFERENCE

- 600 W D class – 4 layers PCB
- Low latency DSP – Audio real time control through "Focal Manager RT"
- Windows Xp / Vista / Seven / 8 and Mac OS X version 10.6 and later
- Remote device for subwoofer control and real time connection
- Long stroke 6x9 speaker

TECHNICAL SPECIFICATIONS

- Front channels: Power (4 ohms): 2 x 65 Watts rms 
- 2 ohms stable
- Subwoofer channel - Power (4 ohms): 1 x 165 Watts rms 
- Protections: Short-circuit, continuous current, thermal overload, power inversion.
- Dimensions (WxHxD): 23^{5/8} x 8^{1/4} x 12^{13/16} (600x210x310mm)
- Weight: 28.7 lbs (13kg)



<http://mobil.focal.com/dsa500-rt/en/>

REAL TIME CONTROL



Live sound modification experience



Performance
CREATE YOUR SOUND

FOCAL
THE SPIRIT OF SOUND

EXPERT DSA 500 RT



Active Digital 2.1 subwoofer

Powerfull subwoofer box, "all inside" concept and compact design

- 600W compact D class amplifier - PWM inputs
- Low latency DSP - Real time "Focal Manager RT" software
Windows Xp / Vista / Seven / 8 and Mac OS X from 10.6 versions
- Bandpass subwoofer - 6x9 long stroke speaker
- Remote device with Real time connexion

REAL TIME CONTROL



SOFTWARE COMPATIBILITY

PC	Windows Xp / Vista / Seven / 8
MAC	Mac OS X since 10.6 version

SPECIFICATIONS

FRONT CHANNEL

RMS Power - 14.4V - 4 Ω - THD+N < 1%	2 x 65 Watts
2 Ω Stability	✓
Max Power - 14.4V - 4 Ω	2 x 120 Watts
Frequency response (equalizer off / -3dB)	45 Hz-22 KHz
Signal noise ratio (expander off)	81 dBA
THD+N - 4 Ω - @1kHz (with low pass 22kHz)	0.07% between 8 and 45 Watts
Channel separation - 4 Ω - @1kHz	>70 dB
Equalizer	7 eq points / Full parametric
High pass crossover	45 Hz-300 Hz
Delays adjustment	0-20 ms (0.01 ms)
Compressor / Expander	✓

SUBWOOFER

RMS Power - 14.4V - 4 Ω - THD+N < 1%	1 x 165 Watts
Max Power - 14.4V - 4 Ω	250 Watts
Frequency response (acoustical / equalizer off / -3dB)	45 Hz - 140 Hz
Equalizer	7 eq points / Full parametric
Subsonic crossover	20 Hz-60 Hz
Low pass crossover	80 Hz-200 Hz
Delays adjustment	0-130 ms (0.01 ms)
Compressor	✓

GENERAL

Low input sensitivity	0.2 V - 5 V
High input sensitivity	0.4 V - 10 V
PWM switching frequency	384 KHz
Fuses	2x15 A
Consumption : Standby (DSA 500 RT on, no signal)	0.9 A
Stereo preamp out	✓
Protections	Short-circuit Low impedance Polarity reversal DC Low tension Thermal overload
Weight	13 kgs (28,7 pounds)
Dimensions (L x H x W)	600 x 210 x 310 mm 23.6 x 8.3 x 12.2 inches

MECHANICAL DRAWING (MM)

