

X218W3K

**3000 W**  
2x 18" ACTIVE  
SUBWOOFER*Xcellence*

The combination of two 18-inch woofers with 4.5-inch long excursion voice coil in a highly reinforced cabinet, with 3000 W amplification, DSP and ergonomic design, makes the X218W3K one of the most advanced, powerful and easy-to-handle subwoofer on the market.

## KEY FEATURES

### TRANSDUCER TECHNOLOGY

Active subwoofer composed by two 4.5-inch voice coil, neodymium magnet, last-generation 18" loudspeakers front loaded in a bass-reflex tuned enclosure with laminar ports.

### AMPLIFICATION

3000 W 3rd generation Class D built-in amplifier, controlled by a dedicated DSP.

90% efficiency amplifier SMPS (switching mode power supply), allowing maximum power delivery with minimum consumption in an extremely low-weight and reduced size.

Rear connections and control panel with LCD screen to display the different settings, presets and adjustments done by the user. A capacitive keyboard guarantees the reliability of the system even under humidity and extreme weather conditions.

Exclusive and unique Overvoltage Protection which continuously monitors line voltage and instantly disconnects the system if the line voltage exceeds the maximum permissible level.

### DSP & CONTROL

Internal DSP with all necessary signal processing (crossovers, EQs, delay, limiters, gain control, mute) as well as several useful presets to adjust X218W3K to different requirements.

Ethernet connection and full wireless control: the system can be monitored from any spot in the room.

DSPStudio® control software capable of adjusting and setting-up even the finest details and monitoring key parameters of the amplifier: input and output levels, clip limiter activation, amplifier temperature and network connection status.

### DESIGN & ACCESSORIES

Connectors are placed on an inclined plane to increase protection against rain or moisture.

M10 plate socket provided at the top side for full-range enclosure stacking.

Ergonomic handles and wheels for an easy and comfortable transport.

Baltic birch plywood wooden cabinet with Polyurea® coating, offering maximum reliability and strength for touring as well as for high demanding applications.

# X218W3K

## 3000 W 2x 18" ACTIVE SUBWOOFER

# Xcellence



**DSP STUDIO CONTROL APP  
FOR IPAD & WINDOWS**



**WITH CWK-D**



**CARDIOID  
PRESETS**



**LIGHT NEODYMIUM  
COMPONENTS**



**> 250 V  
OVERVOLTAGE  
PROTECTION**



**MULTIPLE PRESETS  
AVAILABLE**



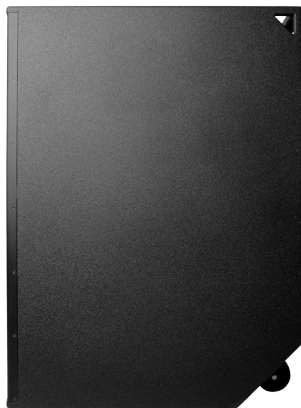
**HIGH RESISTANT  
POLYUREA® PAINT**



**ACCESSORIES FOR  
EASY INSTALLATIONS**

### TECHNICAL FEATURES

Amplifier (program power)	3000 W – Class D
Input sensitivity	2 dBu – 1 V
Input Impedance	20 kΩ Balanced
Mains	Universal Switch Mode Power Supply 85-265 V / 45-65 Hz
Average current draw	4.2 A (Heavy duty musical program)
SPL (1 m)	138 dB continuous, 141 dB peak
Built-in DSP	48 bit
AD/DA converters	24 bit – 96 kHz
Presets	LPF80 / LPF80+3 / LPF90 / LPF90+3 / LPF100 / LPF100+3 / LPF110 / LPF110+3 / CARDIOID + 23 configurable user memories
Crossover frequency	80 Hz / 90 Hz / 100 Hz / 110 Hz
Frequency response (-10 dB)	28 Hz – 120 Hz
Components LF	2x 18" neodymium woofers (4.5" voice coil)
Directivity (HxV)	Omnidirectional
Directivity factor (Q)	1
Directivity index (DI)	0
Weight	104.5 kg
Dimensions (HxWxD)	1046 x 740 x 780 mm
Finish	Multilayer baltic birch plywood with high resistant black Polyurea® coating
Grille	1.5 mm steel with grey micro-foam cloth
Connectors	1x XLR input / 1x XLR link / 1x AC PowerCon input / 1x AC PowerCon link / 1x EtherCon RJ45 input / 1x EtherCon RJ45 link



SIDE VIEW



FRONTAL VIEW WITHOUT GRILLE



REAR VIEW



One person handling thanks to its two rear wheels.



TOP VIEW



CONNECTION PANEL

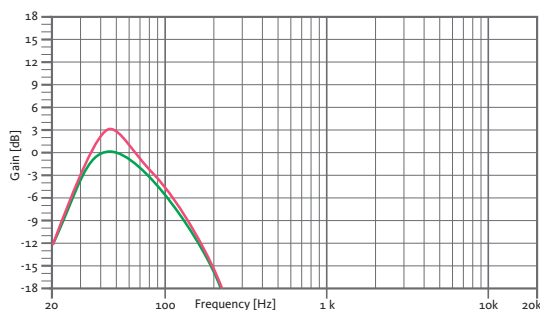
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## BUILT-IN PRESETS

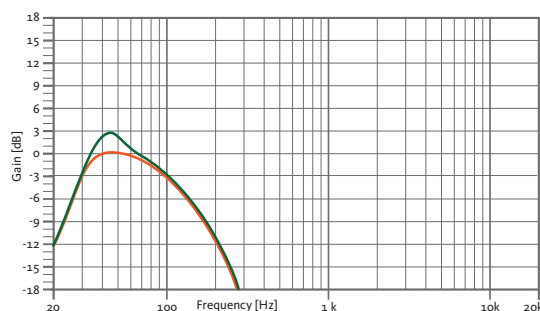
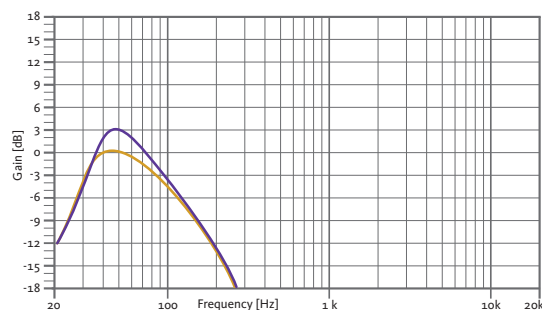


**LPF80**  
LPF 80 Hz

**LPF80+3**  
LPF 80 Hz + 3dB boost

**LPF90**  
LPF 90 Hz

**LPF90+3**  
LPF 90 Hz + 3dB boost

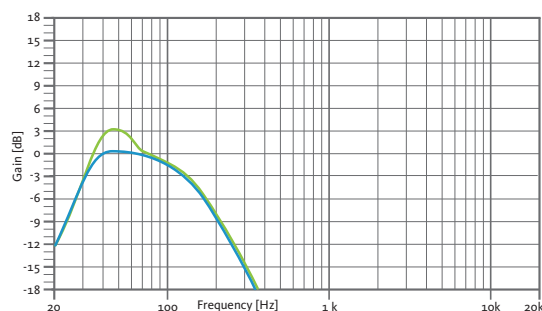


**LPF100**  
LPF 100 Hz

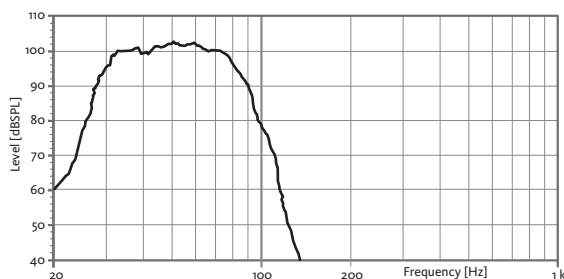
**LPF100+3**  
LPF 100 Hz + 3dB boost

**LPF110**  
LPF 110 Hz

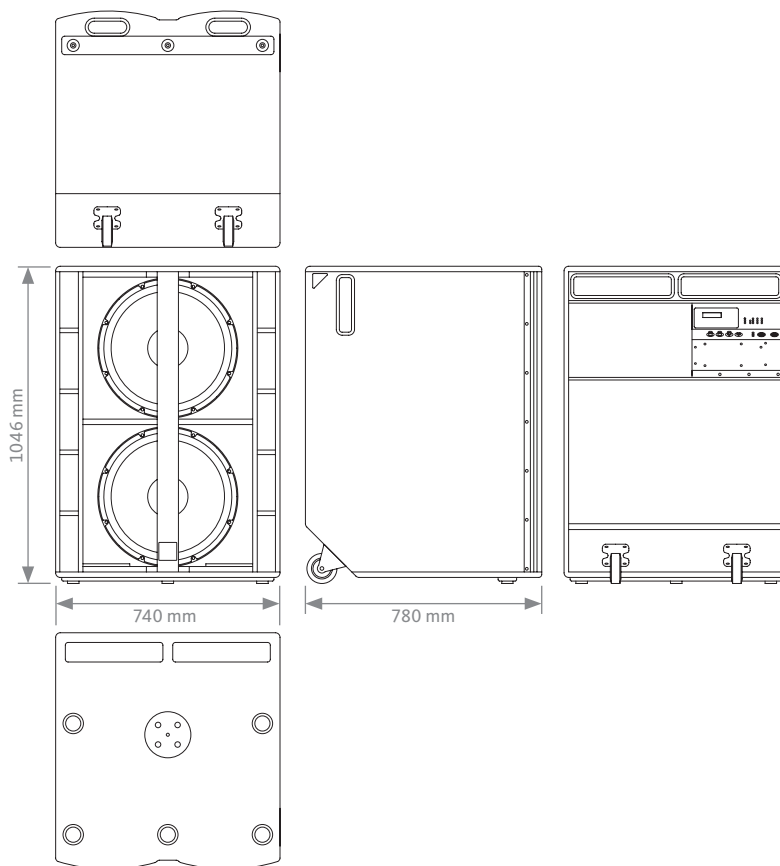
**LPF110+3**  
LPF 110 Hz + 3dB boost



## FREQUENCY RESPONSE 1w/1m (LPF90+3 PRESET)

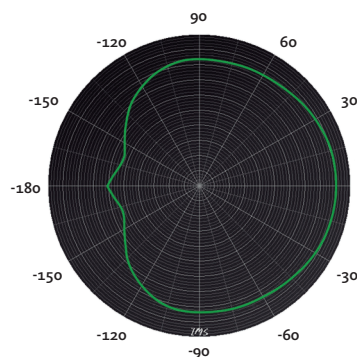


## CAD DRAWING SCHEME



## EASY CARDIOID CONFIGURATION THROUGH DEDICATED PRESET

63 Hz



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## ACCESSORIES

### PROTECTIVE COVER NC-X218W

For one unit of X218W3K



### STACKING FRAME FR-X208

For X218W3K underneath X208



### STACKING FRAME FR-X210

For X218W3K underneath X210



### WIRELESS COMMUNICATION KIT CWK-D

Bespoke control protocol that supports Wi-Fi connectivity through CWK-D



## DSP STUDIO CONTROL SOFTWARE



*"Instant access to outstanding sound"*

1

Configure your  
wifi network

2

Detect  
loudspeakers

3

Setup audio  
settings

4

Enjoy the  
best sound

The application utilises a bespoke control protocol that supports Wi-Fi connectivity (control over IP).

It allows to address the ethernet-enabled amp and DSP modules in the Xcellence series cabinets, affording the user visual feedback on amplifier status and the ability to edit processor values from any spot in the venue.

You can edit parameters such as crossover frequency, gain (per way and separately mutable), limiter, polarity, delay, five custom parametric EQs or an array of filter shapes, can all be adjusted in fine detail, with several elements controllable at the same time using grouping functions.

The app also provides comprehensive information about input and output levels, heat-sink temperature, clip and protection indicators.



iPad  
VERSION



PC  
VERSION

Download it from  
our website:  
[www.amateaudio.com](http://www.amateaudio.com)