X215W

2500 W
2x 15" ACTIVE
SUBWOOFER

Xcellence

amate audio

Wi-Fi™

WITH CWK-D

Stunning characteristics, both inside and out. The X215W's Band-Pass design
provides a surprisingly powerful low-frequency response, balanced perfectly against its size.
With two 15-inch woofers, it is the best bass reinforcement to fly with X210. Simply unbeatable!

KEY FEATURES

TRANSDUCER TECHNOLOGY

Active subwoofer composed by two 4-inch voice coil, neodymium magnet, last generation 15" loudspeakers in a band-pass tuned enclosure with laminar ports.

AMPLIFICATION

2500 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 X215W 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.

Several accessories allow easy flying.

Ergonomic handles 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.

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DSP STUDIO CONTROL APP FOR IPAD & WINDOWS

WITH CWK-D

EXCLUSIVE BAND PASS DESIGN

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)	2500 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	3.5 A (Heavy duty musical program)
SPL (1 m)	135 dB continuous, 138 dB peak
Built-in DSP	48 bit
AD/DA converters	24 bit – 96 kHz
Presets	LPF90+3 / LPF90+6 / LPF100+3 / LPF100+6 / LPF110+3 / LPF110+6 / LPF120+3 / LPF120+6 / CARDIOID + 23 configurable user memories
Crossover frequency	90 Hz / 100 Hz / 110 Hz / 120 Hz
Frequency response (-10 dB)	32 Hz – 130 Hz
Components LF	2x 15" neodymium woofers (4" voice coil)
Directivity (HxV)	Omnidirectional
Directivity factor (Q)	1
Directivity index (DI)	0
Weight	79 kg
Dimensions (HxWxD)	600 x 764 x 859 mm
Finish	Multilayer baltic birch plywood with high resistant black Polyurea® coating
Grille	1.5 mm steel with grey micro-foam cloth
Rigging	Stainless-steel integrated rigging bars
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

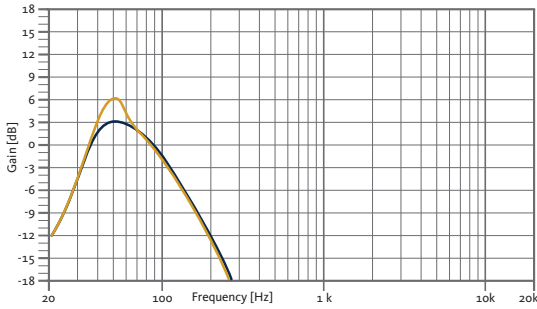BOTTOM VIEW

TOP VIEW

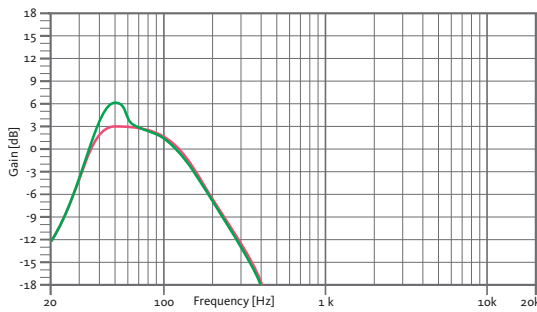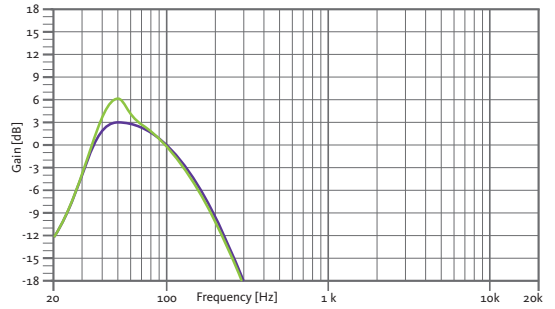CONNECTION PANEL

X215W

2500 W
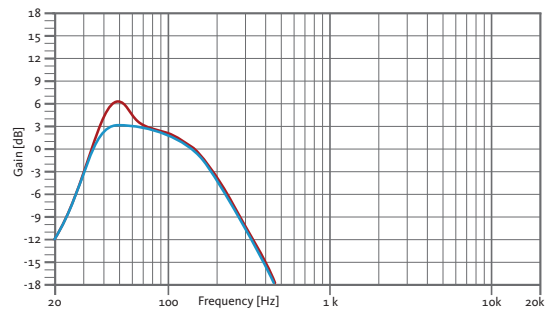2x 15" ACTIVE
SUBWOOFER
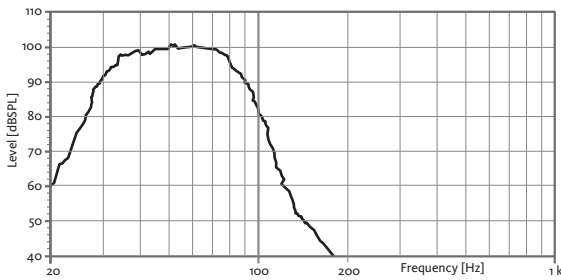
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BUILT-IN PRESETS

LPF90+3
LPF 90 Hz + 3dB boost
LPF90+6
LPF 90 Hz + 6dB boost
LPF100+3
LPF 100 Hz + 3dB boost
LPF100+6
LPF 100 Hz + 6d boost
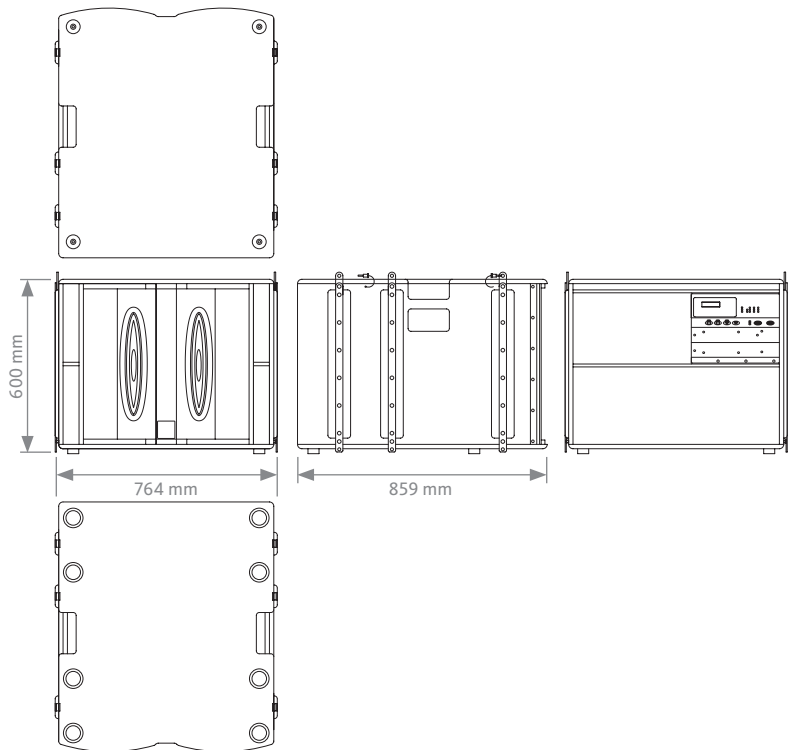

LPF110+3
LPF 110 Hz + 3dB boost
LPF110+6
LPF 110 Hz + 6dB boost
LPF120+3
LPF 120 Hz + 3dB boost
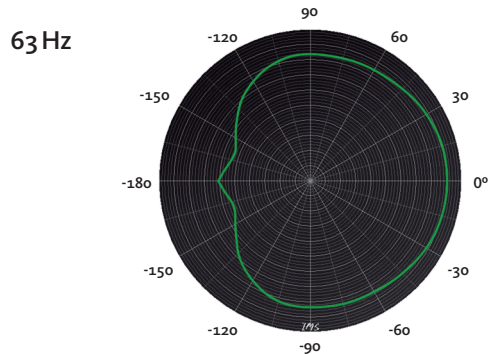**LPF120+6**
LPF 120 Hz + 6dB boost

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

CAD DRAWING SCHEME

600 mm
764 mm
859 mm

EASY CARDIOID CONFIGURATION THROUGH DEDICATED PRESET

63 Hz

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ACCESSORIES

FLIGHT CASE FC-X215
For two units of X215W

TOURING BUMPER TA-X210R
For flying X215W

FRAME ADAPTOR FA-X208/215
For X215W over X208

STAINLESS STEEL

STAINLESS STEEL

STACKING KIT ST-X215
For X215W underneath X210
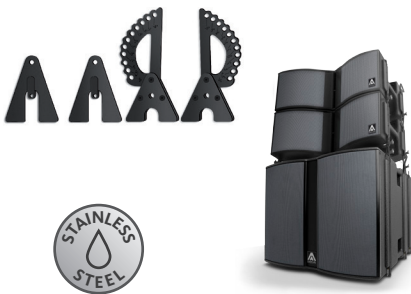
WIRELESS COMMUNICATION KIT CWK-D
Bespoke control protocol that supports Wi-Fi
connectivity through CWK-D

STAINLESS STEEL

DSP STUDIO CONTROL SOFTWARE

"Instant access to outstanding 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.

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iPad VERSION

Available on the App Store

Wi-Fi

PC VERSION

Download it from our website:
www.amateaudio.com

1 Configure your wifi network

2 Detect loudspeakers

3 Setup audio settings

4 Enjoy the best sound