| C 4 | C 6 | C 8 | C 10 | C 15 | CB 15 – CB 15A |

Coaxial Solutions

The coaxial C-Series loudspeakers are equipped with uncompromising chassis technology and perfect balanced passive crossovers. The coaxial loudspeaker technology allows a very compact design and a constant coverage with excellent tonal balance and dynamic. The 90° symmetrical coverage allows the horizontal and vertical use. The C-Series is the perfect solution for indoor – outdoor installations and rental applications. All C-Series fullrange speakers and subwoofers are equipped with a U-bracket as standard.

The C-Series 15" passive subwoofer with 100mm voice coil and a precise tuned compact cabinet is the perfect extension for all C-Series fullrange speakers.

The CB15A is an self powered subwoofer. The powerful 3 channel amplifier module delivers 1000 W (AES) for the subwoofer channel and additional 2 x 500 W (AES) for mid/high cabinets. The switch mode power supply can deliver large headroom for the amplifiers even at full power. The 96KHz / 24-bit DSP engine features all controller functions as Noise Gate, crossover filters, parametric EQs per input and output sections, alignment delay, all in all everything needed to optimize a self-powered loudspeaker. All setup parameters for input mixing, DSP features and the limiter setting are accessible by using the remote PC software.
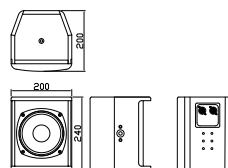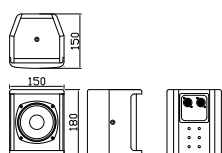
Features

Accessories

Weatherproof cabinet IP 54
Polyurea coating for long lasting permanent installation
Perforated, galvanized and anodized front grill
High performance coaxial loudspeakers
High driver PTC protection
90° x 90° dispersion, C15 with 90° x 70° dispersion
Subwoofers with integrated rigging points
U-bracket for single use included as standard
Optional array adapter for cluster application
Optional Speakon protection cover
Active Subwoofer with integrated 3 channel amplifier and DSP
Remote Controll Software

K&M
Screw-on adapter

K&M
Mounting adapter

Technical Data
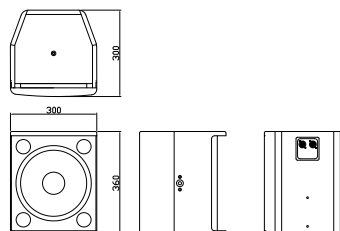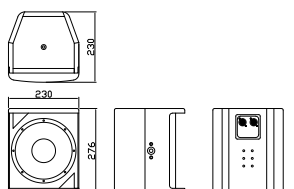
C 4

System	4.5" wideband, full range
Frequency Range (–10 dB):	100 Hz – 18 kHz
Coverage Pattern HxV:	90° x 90°
Crossover Frequency:	wideband
Power Rating (AES/Program)	80 W / 160 W
Maximum SPL:	116 dB SPL
System Sensitivity (1w/1m):	92 dB SPL
Nominal Impedance:	8 ohms
Speaker:	4C80
Enclosure:	12 mm, birch plywood
Suspension / Mounting:	10 x M6
Finish:	Black polyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Input Connectors:	2 x Speakon NL 4
	1+/1– / 2+/2– to Sub
Dimensions (W x H x D):	150 mm x 180 mm x 150 mm
Net Weight:	2 kg
Optional Accessories:	Speakon protection cover
	K&M Screw–On adapter
	K&M Mounting adapter

C 6

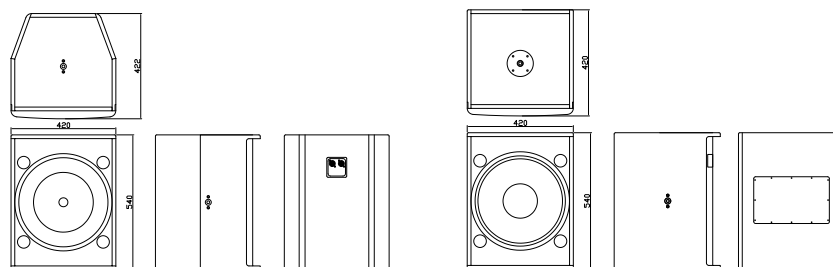|	
System	6.5/1" coaxial, full range
Frequency Range (–10 dB):	80 Hz – 20 kHz
Coverage Pattern HxV:	90° x 90°
Crossover Frequency:	2250 Hz passive
Power Rating (AES/Program)	250 W / 500 W
Maximum SPL:	123 dB SPL
System Sensitivity (1w/1m):	96 dB SPL
Nominal Impedance:	8 ohms
Speaker:	6C250
Enclosure:	12 mm, birch plywood
Suspension / Mounting:	8 x M6, 2 x M10
Finish:	Black plyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Input Connectors:	2 x Speakon Nl4
	1+/1– / 2+/2– to Sub
Dimensions (W x H x D):	200 mm x 240 mm x 200 mm
Net Weight:	7 kg
Optional Accessories:	Speakon protection cover
	K&M Screw–On adapter
	K&M Mounting adapter

Technical Data

C 8

System	8"/1" coaxial, full range
Frequency Range (–10 dB):	55 Hz – 20 kHz
Coverage Pattern HxV:	90° x 90°
Crossover Frequency:	1.800 Hz passive
Power Rating (AES/Program)	300 W / 600 W
Maximum SPL:	124 dB SPL
System Sensitivity (1w/1m):	96 dB SPL
Nominal Impedance:	8 ohms
Speaker:	8C300
Enclosure:	15 mm, birch plywood
Suspension / Mounting:	8 x M6, 2 x M10
Finish:	Black polyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Input Connectors:	2 x Speakon Nl4
	1+/1– / 2+/2– to Sub
Dimensions (W x H x D):	230 mm x 276 mm x 230 mm
Net Weight:	10 kg
Optional Accessories:	Speakon protection cover
	K&M Screw–On adapter
	K&M Mounting adapter

C 10

System	10"/1" coaxial, full range
Frequency Range (–10 dB):	55 Hz – 20 kHz
Coverage Pattern HxV:	90° x 90°
Crossover Frequency:	1.700 Hz passive
Power Rating (AES/Program)	350 W / 700 W
Maximum SPL:	128 dB SPL
System Sensitivity (1w/1m):	97 dB SPL
Nominal Impedance:	8 ohms
Speaker:	10C350
Enclosure:	15 mm, birch plywood
Suspension / Mounting:	4 x M6, 2 x M10
Finish:	Black polyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Input Connectors:	2 x Speakon Nl4
	1+/1– / 2+/2– to Sub
Dimensions (W x H x D):	300 mm x 360 mm x 300 mm
Net Weight:	15 kg
Optional Accessories:	Speakon protection cover
	K&M Screw–On adapter
	K&M Mounting adapter

Technical Data

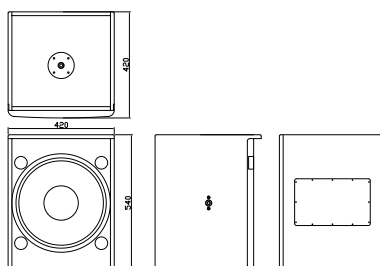### C 15

System	15"/1.4" coaxial, full range
Frequency Range (–10 dB):	52 Hz – 20 kHz
Coverage Pattern HxV:	90° x 70°
Crossover Frequency:	1.200 Hz passive
Power Rating (AES/Program)	800 W / 1600 W
Maximum SPL:	134 dB SPL
System Sensitivity (1w/1m):	101 dB SPL
Nominal Impedance:	8 ohms
Speaker:	15C800
Enclosure:	15 mm, birch plywood
Suspension / Mounting:	4 x M10
Finish:	Black polyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Input Connectors:	2 x Speakon NL 4 1+/1– / 2+/2– to Sub
Dimensions (W x H x D):	420 mm x 540 mm x 420 mm
Net Weight:	28 kg
Optional Accessories:	Speakon protection cover K&M Screw–On adapter K&M Mounting adapter

CB 15

	15 Subwoofer
	42 Hz – 300 Hz
	omni
	----
	800 W / 1600 W
	130 dB SPL
	98 dB SPL
	8 ohms
	15CB800
	15 mm, birch plywood
	2 x M10, 1 x M20
	Black polyurea coating, IP 54
	Powder coated, black perforated steel with acoustic cloth inside
	2 x Speakon NL 4 2+/2– / 1+/1– to Top
	420 mm x 540 mm x 420 mm
	27 kg
	Speakon protection cover

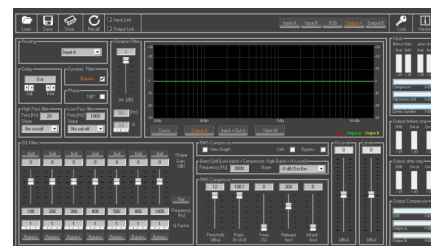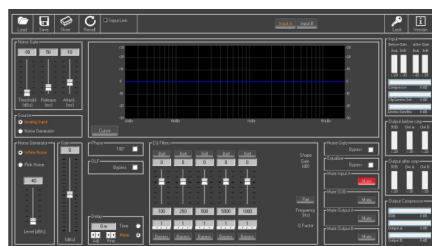## Technical Data

CB 15 A

System	15" three channel active subwoofer
Frequency Range (–10 dB):	42 Hz – 300 Hz
Crossover Frequency:	70 Hz to 140 Hz with internal DSP
Power Rating Sub Channel	1 x 1000 W @ 4 Ohms
Power Rating Top Channel	2 x 500 W @ 4 Ohms
Maximum SPL Sub:	130 dB SPL
LF Driver:	15Q800
Enclosure:	15 mm, birch plywood
Suspension / Mounting:	M20 pole socket
Finish:	Black polyurea coating, IP 54
Grille:	Powder coated, black perforated steel with acoustic cloth inside
Connectors:	2 x Speakon Nl4, 2+/2– external Sub / 1+/1– Top 2 x XLR combo Line in, 2 x XLR out, 1 x XLR combo MIC in, Chinch in R/L, 1 x USB
Dimensions (W x H x D):	420 mm x 540 mm x 420 mm
Net Weight:	30 kg
Optional Accessories:	Amplifier module protection cover

Active – Passive
Outdoor

QPRO
AUDIO
GERMANY

Coaxial Fullrange Speakers and Subwoofers

C – SERIES

Technical Data DSP

DSP Resolution	24bit (data) x 24 bit (coeff.),54bit accumulation registers, 96 bit precision on intermediate processing data
Parametric Equalization	5 filters on input channel, selected as Bell, Low/High–Shelving variable Q 3 filters on output SUB channel, selected as Bell 7 filters on output A/B channel, selected as Bell, Low/High–Shelving variable Q
Filter Type	Bell, Low/High Shelving Variable Q
Filter Gain	Input from –12dBu up to +12dBu by 0.5dBu resolution steps Output from –18dBu up to +18dBu by 0.5dBu resolution steps
Center Frequency	Selectable with 1Hz resolution step from 20Hz up to 20kHz
Bell Filter Q/BW	Q from 0.5 up to 10 by 0.1 resolution steps
Low/High Shelving Filter Q/BW	Q from 0.5 up to 3 by 0.1 resolution steps
Crossover Section HPF/LPF	Butterworth 6/12/18/24dB per octave Bessel and Linkwitz–Riley 12/24dB per octave Filter resolution 1Hz steps
Output RMS Compressor	Threshold from –18dBu up to +12dBu Knee: 0~100%; Ratio: 2:1~100:1 Release time from 40ms up to 1000ms; Attack time from 5ms up to 100ms input A/B channel, selected as Bell, Low/High–Shelving variable Q
Output Routing	In1, In 2, In 1+2
Delay	up to 40ms for ea ch input, and up to 20ms for each output, with step of 10.4us

Applications

INSTALLATION

FOH SYSTEM

Active front system
with passive sub extension

FULLRANGE
DELAY

FRONTFILL