HK AUDIO

CX 12

Point Source Speaker

Part number CX 12 L: 1007626
Part number CX 12 R: 1007627

The CX 12 is a powerful and flexible multi-functional loudspeaker with a very high efficiency and deep frequency range. It can be used anywhere where a high sound pressure level paired with high speech intelligibility is required.

Exceptional phase linearity, a wide dynamic range and a BEM-optimised high-frequency horn ensure a very precise dispersion pattern. The multi-functional housing makes the CX 12 ideal for demanding stage monitoring applications.

Characteristics

- Compact, passive 12"/1.4" full-range speaker
- Multi-functional cabinet
- Transparent resolution and very precise dispersion pattern thanks to Boundary Element Method-optimised high-frequency horn
- 4x NL4 speakon connectors
- Cabinet made of birch multiplex with resistant PU coating
- HK Audio DuoTilt Adapter
- Expandable with C SUB subwoofer models
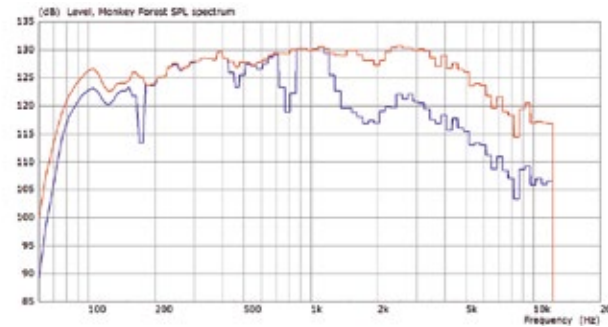- Ideal as an FOH and delay speaker as well as a stage monitor or front-fill

Applications

- Stage monitor
- Nearfill
- Sidefill
- FOH top
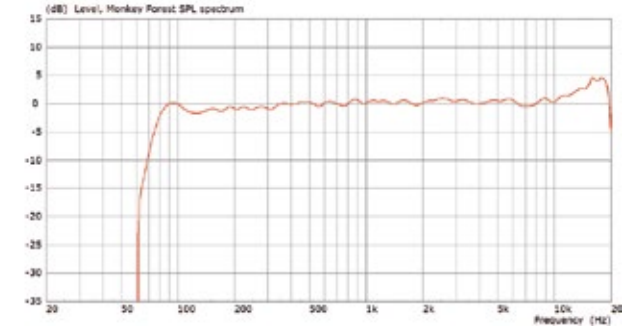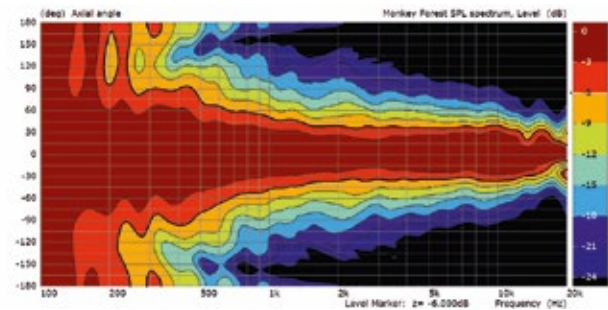- Near-field sound reinforcement with high SPL requirements

Technical data

Characteristics	
Concept	Passive 2-way mid/high unit
Cabinet principle	Bass reflex
Power handling RMS	500 W
Power handling program	1000 W
Power handling peak	2000 W
Nominal impedance[1]	8 ohms
Max. SPL average[2]	127 dB
Max. SPL peak[3]	131 dB
Sensitivity 1 W/1 m[4]	99 dB
Crossover frequency	1,2 kHz
Frequency range -6 dB	70 Hz - 18 kHz
Frequency range -10 dB	61 Hz - 19 kHz
Dispersion angle -6 dB (horizontal)	75° x 55°, rotatable
Components	
Low frequency	-
Mid/high frequency	1 x 12" cone speaker with neodymium magnet and 3" voice coil
High frequency	1 x 1,4" compression driver with neodymium magnet and 3" voice coil
Crossover	High pass: 24 dB/octave, low pass: 24 dB/octave
High frequency protection circuit	-
Horn	constant directivity horn, rotatable
Connections	
Input	2 x NL4 Speakon
Output/parallel output	2 x NL4 Speakon
Pin assignment	1+/-, 2+/-, schaltbar
Amping/Presets	
Lab.Gruppen	IPD Series, Lake
Powersoft	Armonia+
LEA Professional	-
Amping/Filter Sheets	
Lab.Gruppen	IPD/IPX Series (incl. limiter specifications)
Mechanical data	
Cabinet Features/Rigging	10 x Rigging points M10, Pole mount HK Audio DuoTilt (3°/7°), setup angles: 35° and 55
Carrying handles	3 x integrated handle
Cabinet material	Birch plywood
Cabinet surface	PU coating
Color	Jet black (RAL 9005)
Front grille	steel front grille with anticorrosive coating, backed acoustic foam
Optional accessories	Cover, tilt bracket TB-XQ, attachment point AP-10/B, case
Dimensions (WxHxD)	37,0 x 67,0 x 32,5 cm 14-9/16 x 26-19/64 x 12-23/32 inch
Weight	22,8 kg / 50,3 lbs

[1] According to EN 60268-5 (minimum value not less than 80% of nominal value)
[2] 3 units @ 1 m, 10 % THD, 100 Hz - 5 kHz, (EN 60268-21), full space, @ 1,2 kW
[3] 3 units @ 1 m, 10 % THD @ 2,5 kHz, full space, @ 1,2 kW
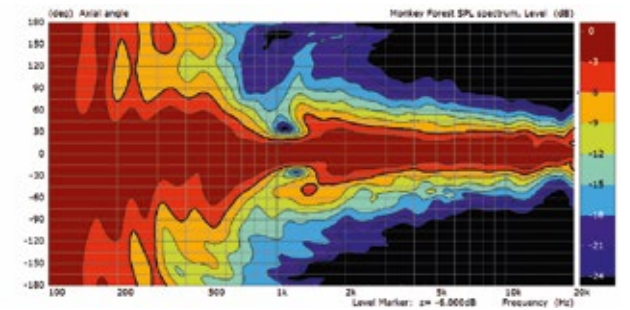[4] 100 Hz - 10 kHz, full space

Max. SPL
(blue = 3 % THD, red = 10 % THD)

Frequency response (with controller)

Horizontal directivity

Vertical directivity

Accessories

TB-XNQ

Part number: 1007781

Universal tilt bracket for mounting the CX 12 on truss rods, ceilings, wall brackets, beams and on tripods.

Case 2CX12

Part number: 1007686

Optional flight cases in black for 2x CX 12.

AP-10B

Part number: 1007664

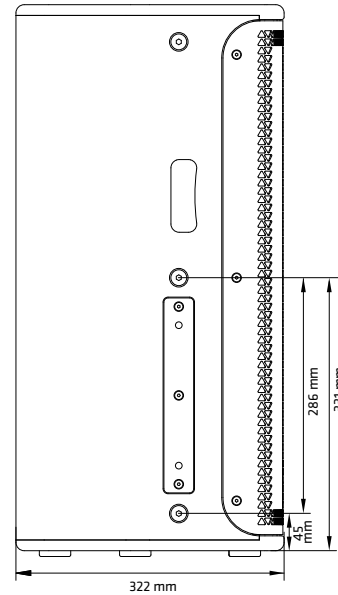Optional attachment points for CX, for safe installation of the speakers on steel cables or chains.

Case 4CX12

Part number: 1007688

Optional flight cases in black for 4x CX 12.

Cover CX 12
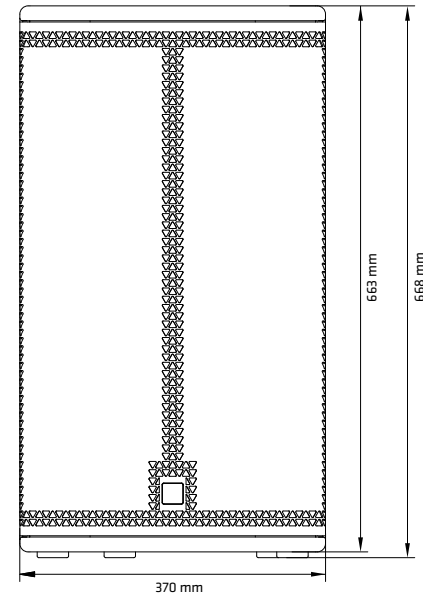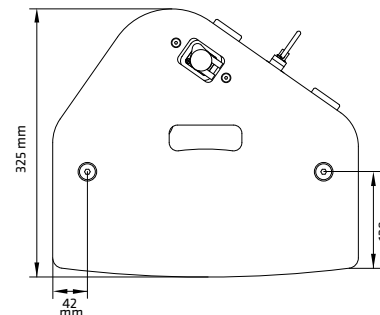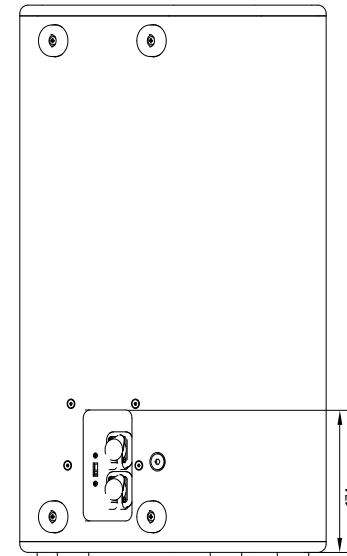
Part number: 1007709

Padded, lockable transport protection cover for road-proof transportation of the CX 12.

HK
AUDIO

286 mm
331 mm
45 mm
322 mm

174 mm

663 mm
668 mm

325 mm
128 mm
42 mm
370 mm

Simulation and CAD files, tender specifications, certificates and much more can be found at www.hkaudio.com