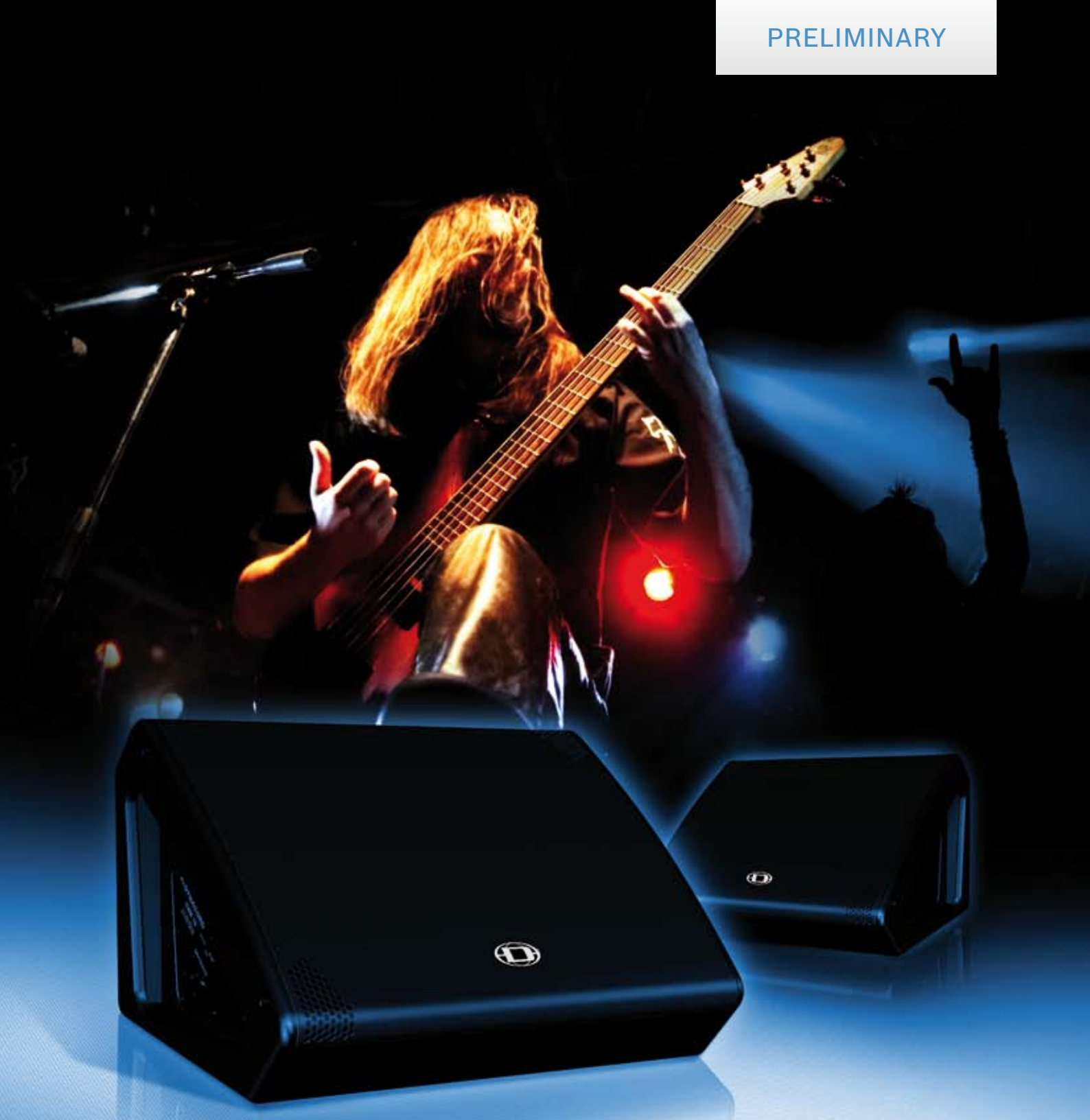


PRELIMINARY



CXM 15

COAXIAL MONITOR SPEAKER CABINET

Mobile Audio | Concert Sound | Fixed Installation | Pro Entertainment



DYNACORD
GERMAN ENGINEERING EXCELLENCE



CXM 15

COAXIAL MONITOR SPEAKER CABINET

- Coaxial Monitor 15"/1.4" 2-Way
- 102dB SPL/1W/1m
- Max. 135dB SPL/1m
(calculated with peak power)
- Light Weight 19kg
- Switchable to Biamp Mode
- FIR and IIR Presets available

■ **The DYNACORD CXM15 is a light-weight wedge for professional monitoring applications. The DYNACORD DCX15450 2-Way 15"/1.4" transducer uses a coaxially mounted HF unit and can be used in passive or biamped operating mode.**

The acoustic crossover frequency from the 15" low-frequency transducer to the 1.4" mid-high compression driver is around 1.2kHz. The slope of the built-in passive crossover network is 12dB/Octave. An extremely precise definition of the vocals is guaranteed due to the

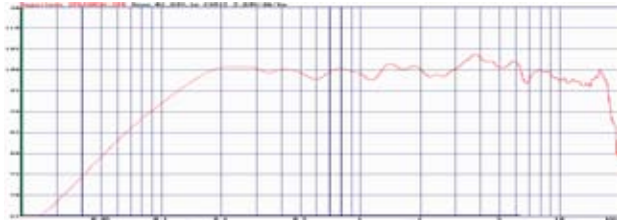
comparably low crossover frequency and the coaxial transducer design. Power amplifiers are connected to the CXM15 via Speakon connectors NL4MPR.

The pin assignment in passive mode is 1+, 1-. Switching from passive mode to biamped mode is performed by operation of a slider switch. In biamped mode pins 1+, 1- are connected to the 15" low frequency section of the CXM15, pins 2+, 2- are then connected to the 1.4" mid-high-frequency section of the CXM15. The CXM15 is equipped with 3 Speakon connectors wired in parallel. This simplifies the daisy-chaining of multiple wedges and polemounted CXM15 cabinets.

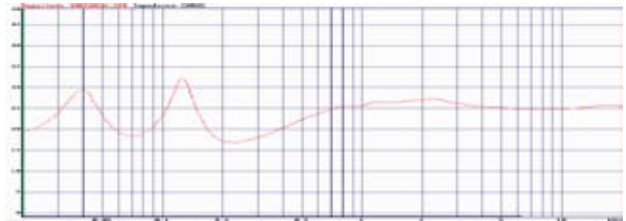
The 1.4" mid-high frequency compression driver is protected against thermal overload with an electronic circuit called VOICE

COIL TRACKING PROTECTION. The protection circuitry exhibits "soft" switching characteristics, so no annoying clicks or pops are audible in case of a thermal overload situation. FIR and IIR presets are available for all operating modes.

The CXM15 is manufactured from birch plywood and therefore extremely resistant against abuse on the road. All cabinet connections are slotted and glued. The surface is painted with a 2-component paint that can easily be renovated if sometimes necessary. A powder-coated steel grille equipped with acoustic foam on the inside protects the transducers against accidental damage. A recessed flange allows easy pole-mount operation and can be exchanged with a M20 inside thread plate for flying applications. Handles have been integrated into both sides of the CXM15.

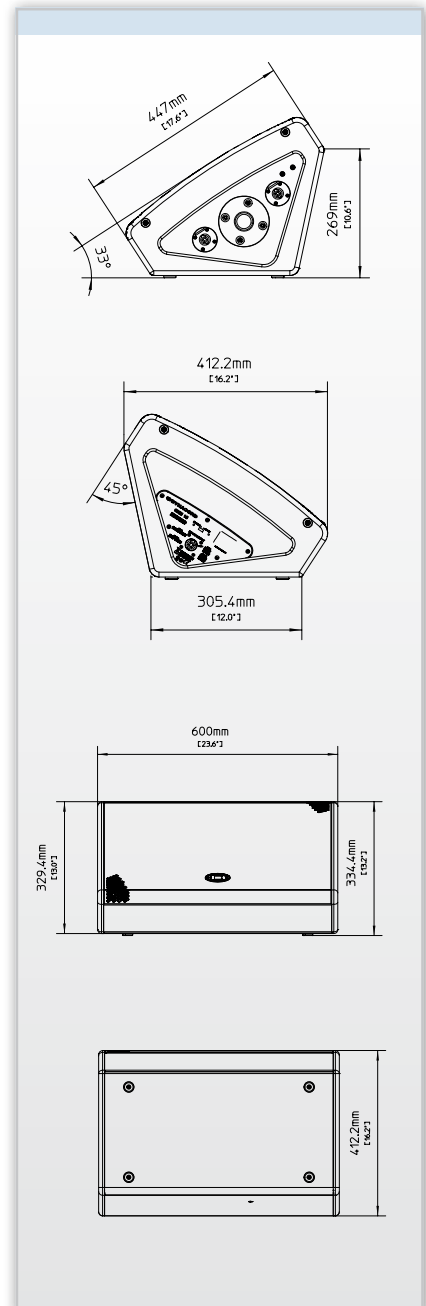


Frequency response



Impedance

General	CXM 15	CXM 15W
Color	Black	White
Order No.	F.01U.123.934	F.01U.123.935
Cabinet	Fullrange	Fullrange
Configuration	Passive 2-Way Switchable to biamped mode	Passive 2-Way Switchable to biamped mode
Nominal impedance	8 Ohms	8 Ohms
Power Handling	Fullrange	Fullrange
Rated Power RMS	450 W	450 W
Program Power	900 W	900 W
Peak Power	1800 W	1800 W
Power Handling	Biamped	Biamped
LF Transducer	400 W	400 W
HF Transducer	50 W	50 W
Sound pressure level		
SPL 2.83 V / 1 m 1 W / 8 Ohm	102 dB SPL	102 dB SPL
Max. SPL 1m (calculated with peak power)	135 dB	135 dB
Frequency range (-10dB)	100 Hz - 18 kHz	100 Hz - 18 kHz
Nominal Coverage Angle	60° Conical	60° Conical
Speaker components		
LF Transducer	DCX 15450 - F01U126730	DCX 15450 - F01U126730
HF Transducer	DCX 15450 - F01U126730	DCX 15450 - F01U126730
Voice Coil tracking protection	Yes	Yes
Connectors Full-Range	1+, 1-	1+, 1-
Wired through	2+, 2-	2+, 2-
Connectors Biamped	Lo 1+, 1-, Hi 2+, 2-	Lo 1+, 1-, Hi 2+, 2-
Wired through	1+, 1-, 2+, 2-	1+, 1-, 2+, 2-
Connector model	Speakon 3x NL4 MPR	Speakon 3x NL4 MPR
Net weight	19 kg (41,88 lbs)	19 kg (41,88 lbs)
Shipping weight	21 kg (46,29 lbs)	21 kg (46,29 lbs)
Enclosure material	Bitch plywood	Bitch plywood
Grille	Powder coated steel, acoustic foam	Powder coated steel, acoustic foam
Handles	integrated handles	integrated handles
Warranty	36 Months	36 Months



AMERICAS

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