CXL152MP(A)
2-way, 15” / 2” (self-powered / bi-amplified) Multi Purpose Speaker / stage monitor

High End Sound Systems, designed and manufactured in Sweden
CXL152MP(A)

Presentation: PROPHON CXL152MP(A)
The PROPHON CXL152MP is a lightweight, two-way Multi Purpose speaker with a 15”-Neodymium woofer, and a coaxially mounted 2”-Neodymium driver, on a horn with a 80° conical dispersion with a dedicated built-in passive crossover network.
The coaxial design has many benefits; true point-source, equal dispersion over the whole frequency range, space saving design gives a relative small sized cabinet, to name but a few.
CXL152MP is one of the most versatile speakers on the market, with an abundance of features and applications:
- High power Stage monitor,
- Stand alone fullrange speaker,
- Drumfill, sidefill, frontfill,
- Delay system,
- Installed as a fullrange speaker or as a top in an active sound system with subwoofers,
- As a mid / high speaker in an active bi-amped system with any of the PROPHON subwoofers.

(please see separate datasheet for our range of subwoofers)
The cabinet is manufactured from high-quality, 18 mm. multi-layer, finnish birch-plywood, using high precision fully computer-controled CNC-machines, and painted with a specially developed two-component hardened lacque.
The drivers are protected by a 1,5 mm thick, fully covering, perfored steel grille with a speaker foam in front, both with minimum air flow resistance and acoustic interference.
Discretely hidden in one of the two handles there is a 35mm. top hat for mounting on a speaker stand,
The CXL152MP has four cargo restraint tracks for rigging, flying and installing, a monitor angle for use as a stage monitor, protective rails and tilting hardware in the back.

Active, self-powered version
The CXL152MPA houses a 700W Amplifier with on-board DSP.
Neutrik XLR in / out for signal
Neutrik Powercon in / out for power
Four presets with different setting depending on application (push the "preset select" for changing setup)

Preset4) High-Pass filter2 @ 95Hz, the same frequency response as preset2, but cut at 95Hz, for use as a stage monitor or as a top in an active sound system with subwoofers.
Preset3) High-Pass filter1 @ 95Hz, for use as a stage monitor or as a topp speaker in an active system with subwoofers.
Preset2) Extended fullrange, for use as “stand-alone” sound system, with extended fullrange frequency response.
Preset1) Fullrange, using this preset the active version has the same frequency response as the passive / bi-amped.
Technical data CXL152MP

Model: CXL152MP

Low frequency driver: 1 x 15" Neodymium wooferr, 3"- voice coil

High frequency driver: 1 x 1,4"- throat exit neodymium driver, with 3"- voice coil

Construction: Bi-amped, passive crossover Tuned bassreflex

Sensitivity: 100 dB@1W/1m.

Nominal impedance: 8 ohm

Power handling R.M.S.: 500W

Power Handling cont.: 1000W

Power handling peak: 2000W

Max SPL, open space, cont.: 130dB @ 1000W
Max SPL, 2Pi, peak: 136dB @ 2000W

Frequency response +/- 6dB: 50Hz - 19kHz

Vertical dispersion -6dB: 80°

Horizontal dispersion -6dB: 80°

Measurements H x W x D mm.: 600 x 550 x 400

Weight: 21 kg.

Recommended crossover in an active system with subwoofers: HP@100Hz, 48dB/oct

Recommended Amplifier: PROPHON P3000, P3000DSP

Recommended pre-programmed DSP processors: PROPHON DSP260, PROPHON DSP480

Recommended Powerage: 500W - 1000W

Connections: 2 x Neutrik Speakon
1+ /1- Input / through
2+ / 2- Link

Applications: - Fixed Installations.
- Live performances.
- Monitor.
- Fullrange speaker
- Mid/high in a PA- system with subwoofer

Accessories: - Transportation case
- Flightware for rigging

Recommended EQ settings, using external DSP:
PEQ1) 65Hz, +2dB, 2Q
PEQ2) 80Hz, +2dB, 2Q
PEQ3) 1.5kHz, -3dB, 1.5Q
PEQ4) 10kHz, +3dB, 1.5Q
PEQ5) 18kHz, -8dB, 5Q

Extended Technical data active version (A):

Built in amplifier: 700W @ 8 ohm

Input: Neutrik XLR female

Out / Through: Neutrik XLR male

Power chord in: Neutrik Powercon blue in / grey out, (max 7A/1600W)

Volume control: mute to +6dB

DSP PRESETS: Four DSP PRESETS
4) TOP / MONITOR 2 (HP-FILTER2)
3) TOP / MONITOR 1 (HP-FILTER1)
2) EXTENDED FULLRANGE
1) FULLRANGE

Power: 230V +/- 15%, 50-60Hz

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