

# MCL-210 & ML-18 SUB

## LINE ARRAY SYSTEM



MCL - 210  
side handles



ML - 18SUB  
acoustically transparent foam

### MCL - 210

MCL - 210 is a passive 2-way loudspeaker housing 2 x 10" LF drivers and a 1.3" HF compression driver. The compact design allows a very tight coupling of the individual components which ensures an uniform vertical dispersion, 75° constant directivity horizontal dispersion pattern is maintained down to 500 Hz. While the vertical HF dispersion of 15° which allows the MCL-210 to be used to construct vertical columns that produce a curved coherent wave front. The mechanical and acoustical design of the cabinet enables vertical splay angles to be set between 0° & 14°. MCL-210 cabinets can therefore be used in vertical configurations starting from two cabinets with a 15° to 30° dispersion & up to 12 cabinets with a fully user and venue defined vertical profile. MCL-210 cabinet is constructed by plywood which incorporates a pair of handles and has an impact resistant paint finish. Front of the loudspeaker is protected by a rigid metal grill covered with replaceable acoustically transparent foam & 2 x NL4 connectors wired in parallel are mounted on the rear panel.

#### Specifications

Drivers : 2 x 10" LF + 1 x 1.3" HF  
Power Rating (RMS) : 400 / 800W  
Frequency Response : 80Hz – 18KHz (-/+3db)  
Dispersion : 75 x 15 (HXV)  
Sensitivity (1W/1M) : 100dB / 130dB SPL  
Nominal Impedance : 8 ohm  
Connectors : 2 x NL4  
Dimensions (WxHxD) : 580 x 310 x 400mm  
Net Weight : 22Kg

### ML - 18SUB

The ML-18 Sub is 1 x 18" sub woofer, it can be used to supplement the top cabinets in various combinations, either flown or ground stacked. The ML-18 Sub is the installation version, differing only in cabinet construction and mounting hardware. The subwoofer can be combined with the respective MCL-210 Loudspeakers in line arrays, as a separate column or in ground stacked applications where the subwoofers also mechanically support the top loudspeakers. The ML-18 Sub subwoofer cabinets are constructed by plywood and have an impact resistant paint finish. The front of the subwoofer cabinet are covered with a replaceable acoustically transparent foam and protected by a rigid metal grill. Installation hardware is attached to the SUB enclosure through four M10 threaded inserts on each side panel. The ML-18 SUB incorporates a pair of handles, a M20 threaded flange in the top panel and integrated line array rigging hardware.

#### Specifications

Drivers : 1 x 18" LF  
Power Rating (RMS) : 800W / 1600W  
Frequency Response : 40Hz – 150Hz (-/+3db)  
Dispersion : Omni  
Sensitivity (1W/1M) : 102dB / 132dB SPL  
Nominal Impedance : 8 ohm  
Connectors : 2 x NL4  
Dimensions (WxHxD) : 580 x 493 x 670mm  
Net Weight : 42Kg