



LINE ARRAY CONFIGURATIONS

Graphic design and layout



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Line Array Configurations
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BASIC ME10V LINE ARRAY CONFIGURATIONS

INTRODUCTION

This appendix aims to give an idea of the versatility of the Maga Engineering® ME10V Line Array system.

The configurations or systems proposed below are sufficient to cover practically all small and medium sized events and productions where a Line Array system is required.

However, the modularity and versatility of our systems allow users to expand the number of configurations until they find one that fully satisfies them. Thus, the systems shown below are just one example of the many configurations that can be formed.

The proposed configurations are designed to make optimal use of the amplifier power, taking full advantage of the characteristics of these amplifiers. In this sense, we recommend the use of amplifiers Lab.gruppen® PLM™ Series or Powersoft® X™ Series. The aim is to achieve a high price/size/performance ratio for each system. However, in order to obtain greater levels of control over the beam on the vertical axis, other configurations should be studied that contemplate the use of a greater number of amplifiers (with external DSPs), thus carrying out the separate amplification of certain groups of enclosures. Note that the amplifiers shown in these configurations are four channel (Powersoft® X™4, Lab.gruppen® PLM™12K44 and Lab.gruppen® PLM™20K44) and 8 channels (Powersoft® X™8) units.

MAGA ENGINEERING



MAGA ME10V.1 SYSTEM

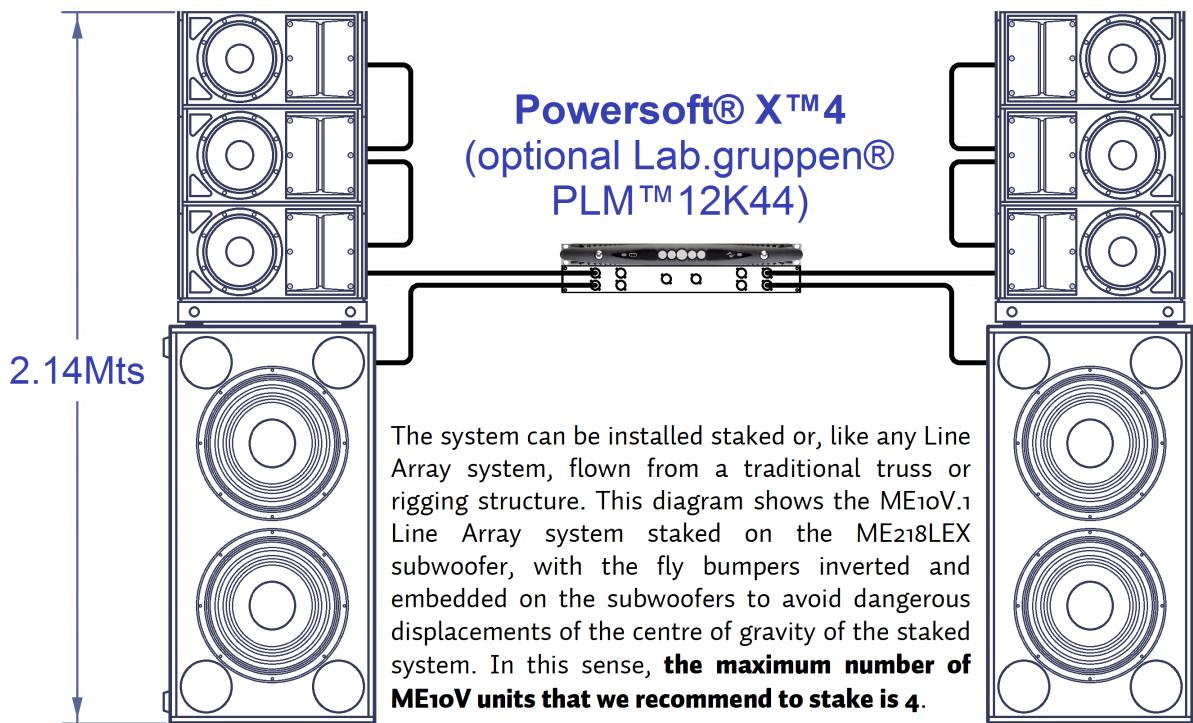
Layout: Staked over Subwoofers or Flown Rigging System

Power: AES 9.600W

Amplification: 1 Powersoft® X™4 Amplifier (optional 1 Lab.gruppen® PLM™12K44 Amplifier)

Configuration: 6 ME10V Line Array + 2 ME218LEX Dual 18" Subwoofers

Application: Indoors and Theaters



MAGA ME10V.2 SYSTEM

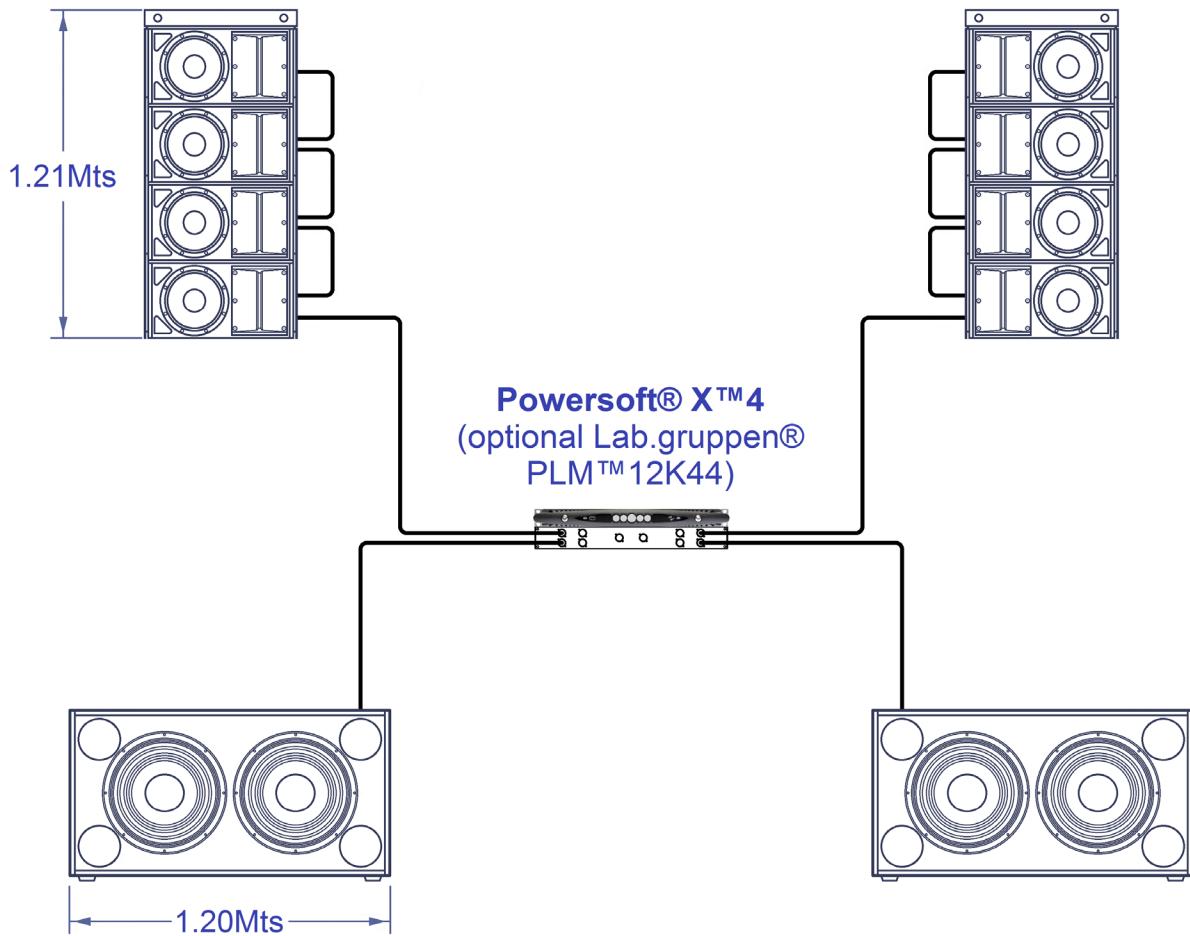
Layout: Staked over Subwoofers or Flown Rigging System

Power: AES 10.600W

Amplification: 1 Powersoft® X™4 Amplifier (optional 1 Lab.gruppen® PLM™12K44 Amplifier)

Configuration: 8 ME10V Line Array + 2 ME218LEX Dual 18" Subwoofers

Application: Indoors and Theaters



MAGA ME10V.3 SYSTEM

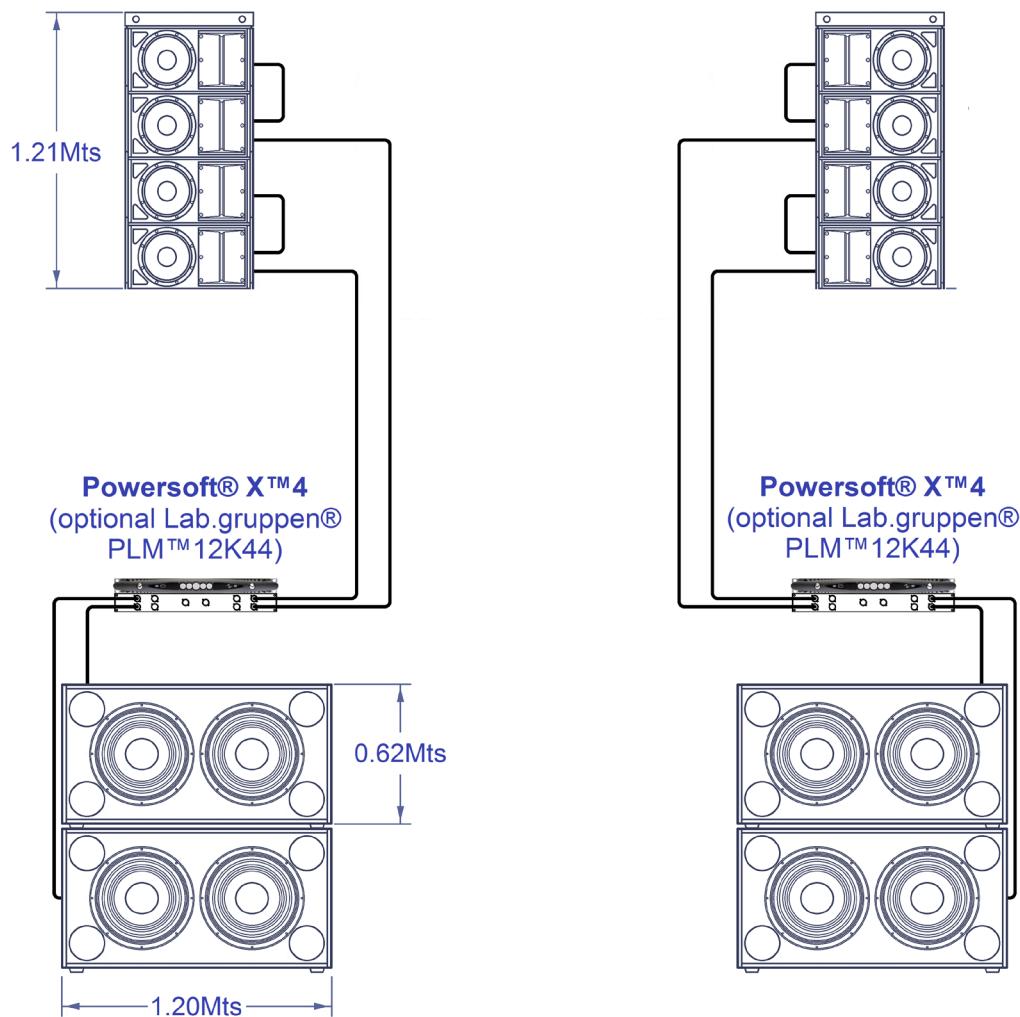
Layout: Flown Rigging System

Power: AES 17.000W

Amplification: 2 Powersoft® X™4 Amplifiers (optional 2 Lab.gruppen® PLM™12K44 Amplifiers)

Configuration: 8 ME10V Line Array + 4 ME218LEX Dual 18" Subwoofers

Application: Outdoors



MAGA ME10V.4 SYSTEM

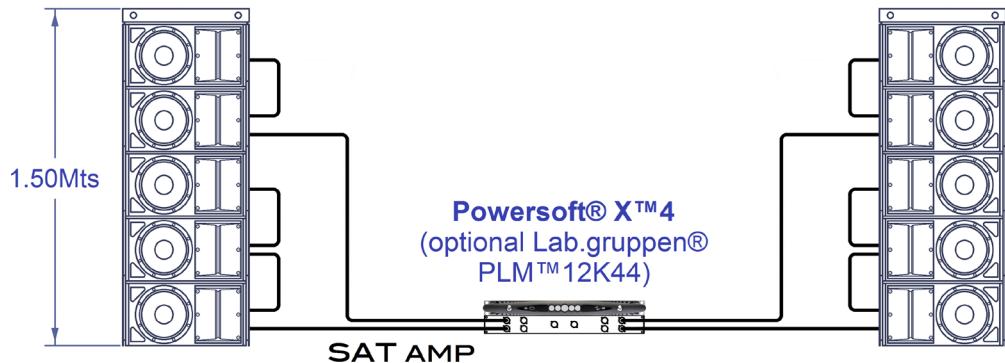
Layout: Flown Rigging System

Power: AES 18.100W

Amplification: 2 Powersoft® X™4 Amplifiers (optional 1 Lab.gruppen® PLM™12K44 Amplifier + 1 Lab.gruppen® PLM™20K44 Amplifier)

Configuration: 10 ME10V Line Array + 4 ME218LEX Dual 18" Subwoofers

Application: Outdoors

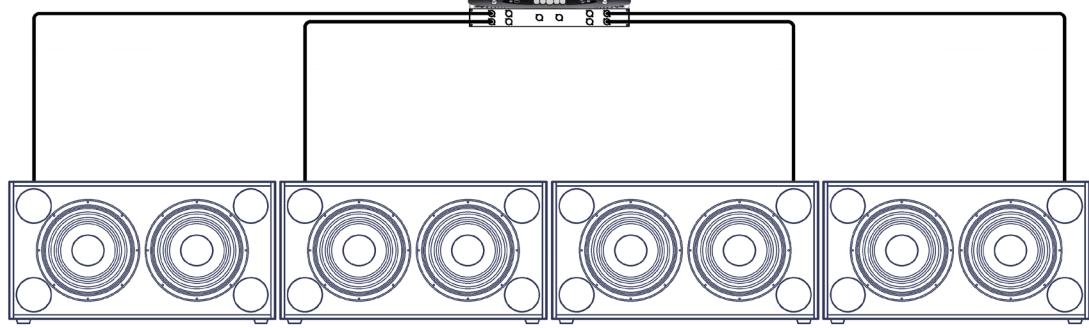


Powersoft® X™4
(optional Lab.gruppen®
PLM™12K44)

SAT AMP

SUB AMP

Powersoft® X™4
(optional Lab.gruppen®
PLM™20K44)



Line Array Configurations

MAGA ME10V.5 SYSTEM

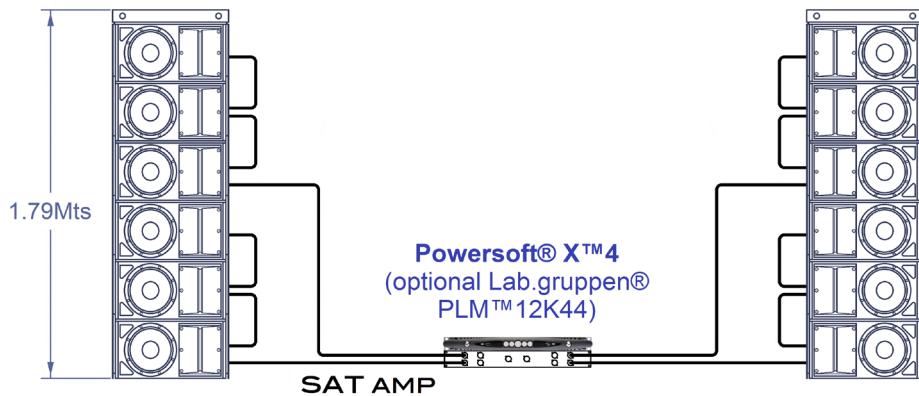
Layout: Flown Rigging System

Power: AES 25.600W

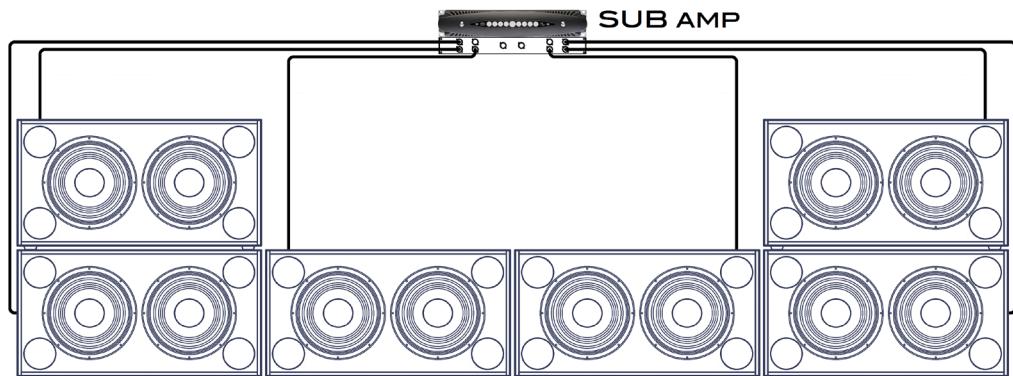
Amplification: 1 Powersoft® X™4 Amplifier + 1 Powersoft® X™8 Amplifier
(optional 1 Lab.gruppen® PLM™12K44 Amplifier + 2 Lab.
gruppen® PLM™20K44 Amplifiers)

Configuration: 12 ME10V Line Array + 6 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8
(optional 2 x Lab.gruppen®
PLM™20K44)



MAGA ME10V.6 SYSTEM

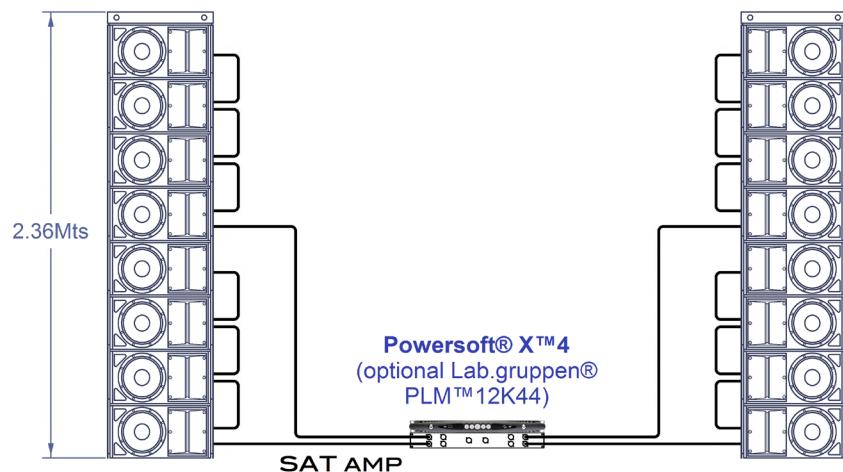
Layout: Flown Rigging System

Power: AES 34.000W

Amplification: 1 Powersoft® X™4 Amplifier + 1 Powersoft® X™8 Amplifier
(optional 1 Lab.gruppen® PLM™12K44 Amplifier + 2 Lab.
gruppen® PLM™20K44 Amplifiers)

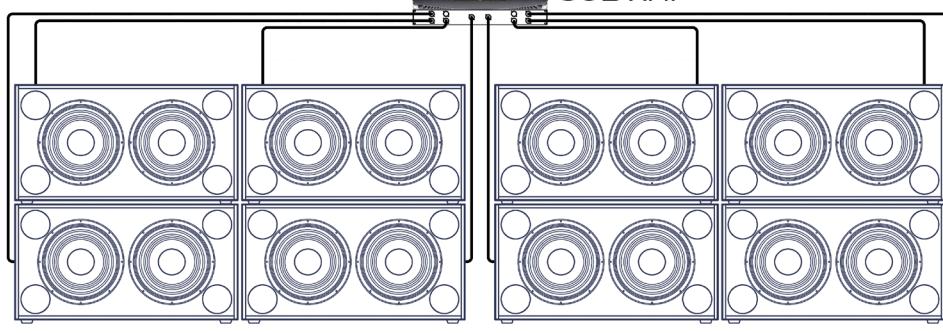
Configuration: 16 ME10V Line Array + 8 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8
(optional 2 x Lab.gruppen®
PLM™20K44)

SUB AMP



BASIC ME20V LINE ARRAY CONFIGURATIONS

INTRODUCTION

This appendix aims to give an idea of the versatility of the Maga Engineering® ME2oV Line Array system.

The configurations or systems proposed below are sufficient to cover practically all medium and large events and productions where a Line Array system is needed, thanks to its extraordinary performance and high SPL (140dB peak at 1 meter).

However, the modularity and versatility of our systems allow users to expand the number of configurations until they find one that fully satisfies them. Thus, the systems shown below are just one example of the many configurations that can be formed.

The proposed configurations are designed to make optimal use of the amplifier power, taking full advantage of the characteristics of these amplifiers. In this sense, we recommend the use of amplifiers Lab.gruppen® PLM™ Series or Powersoft® X™ Series. The aim is to achieve a high price/size/performance ratio for each system. However, in order to obtain greater levels of control over the beam on the vertical axis, other configurations should be studied that contemplate the use of a greater number of amplifiers (with external DSPs), thus carrying out the separate amplification of certain groups of enclosures. Note that the amplifiers shown in these configurations are four channel (Powersoft® X™4, Lab.gruppen® PLM™12K44 and Lab.gruppen® PLM™20K44) and 8 channels (Powersoft® X™8) units.

MAGA ENGINEERING



MAGA ME20V1 SYSTEM

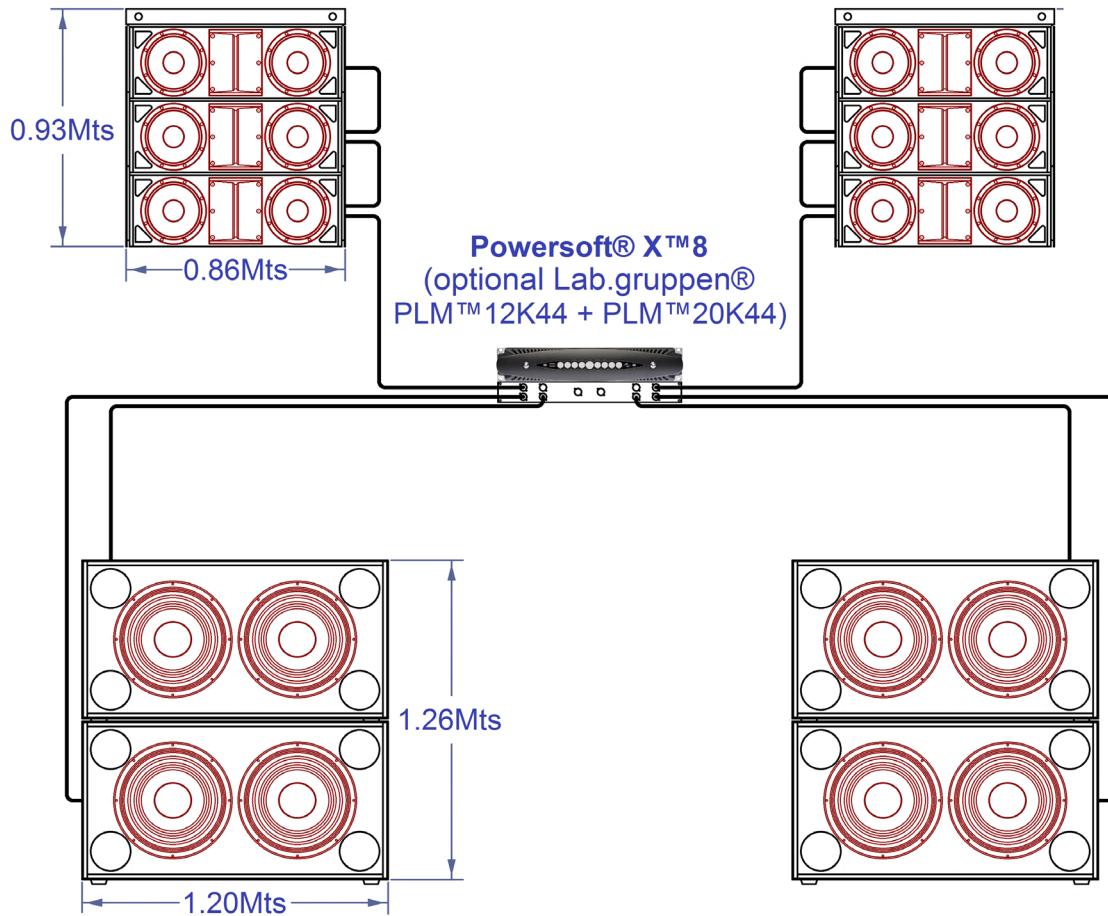
Layout: Flown Rigging System

Power: AES 22.600W

Amplification: 1 Powersoft® X™8 Amplifier (optional 1 Lab.gruppen® PLM™12K44 Amplifier + 1 Lab.gruppen® PLM™20K44 Amplifier)

Configuration: 6 ME20V Line Array + 4 ME218LEX Dual 18" Subwoofers

Application: Indoors and Disco



MAGA ME20V.2 SYSTEM

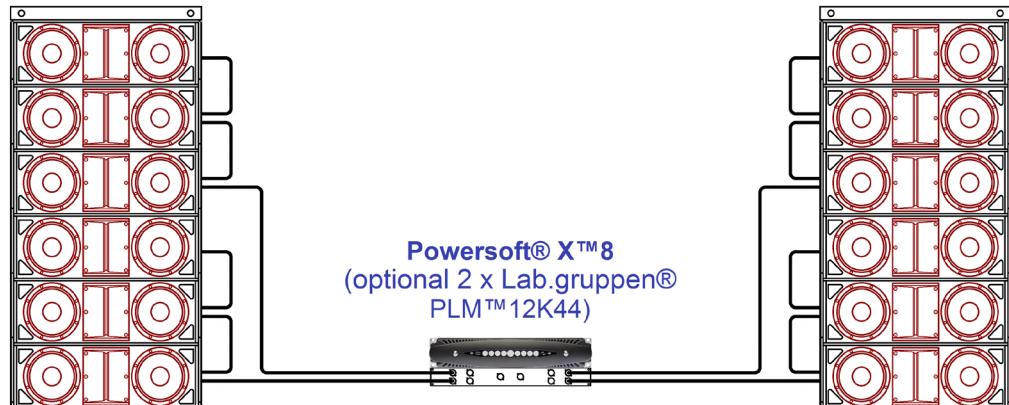
Layout: Flown Rigging System

Power: AES 38.800W

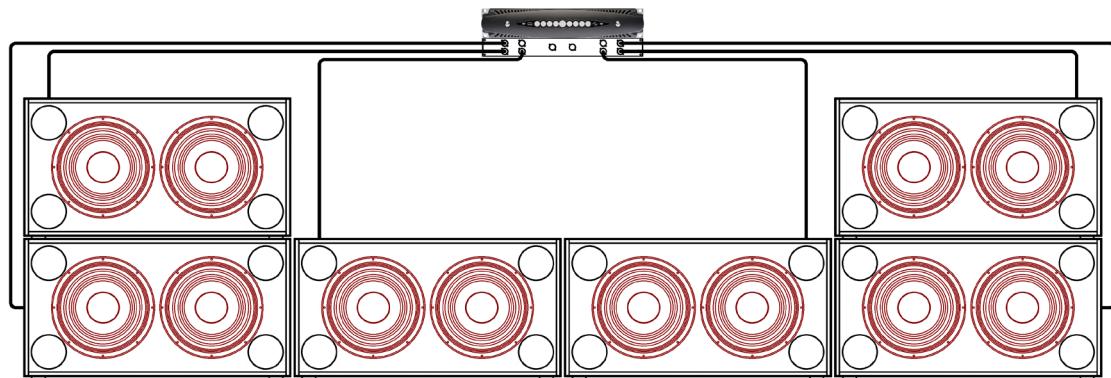
Amplification: 2 Powersoft® X™8 Amplifiers (optional 2 Lab.gruppen® PLM™12K44 Amplifiers + 2 Lab.gruppen® PLM™20K44 Amplifiers)

Configuration: 12 ME20V Line Array + 6 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8
(optional 2 x Lab.gruppen®
PLM™20K44)



Line Array Configurations

MAGA ME20V.3 SYSTEM

Layout: Flown Rigging System

Power: AES 45.200W

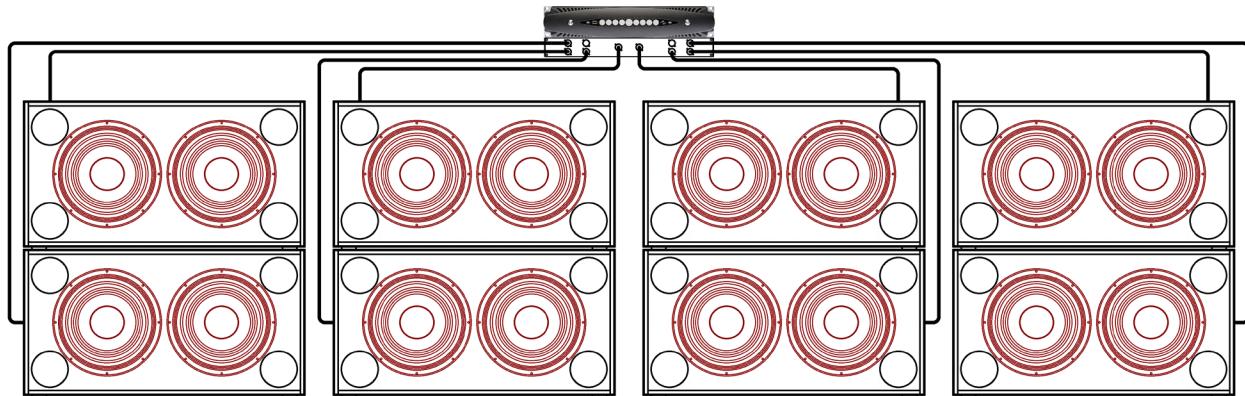
Amplification: 2 Powersoft® X™8 Amplifiers (optional 2 Lab.gruppen® PLM™12K44 Amplifiers + 2 Lab.gruppen® PLM™20K44 Amplifiers)

Configuration: 12 ME20V Line Array + 8 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8
(optional 2 x Lab.gruppen®
PLM™20K44)



MAGA ME20V.4 SYSTEM

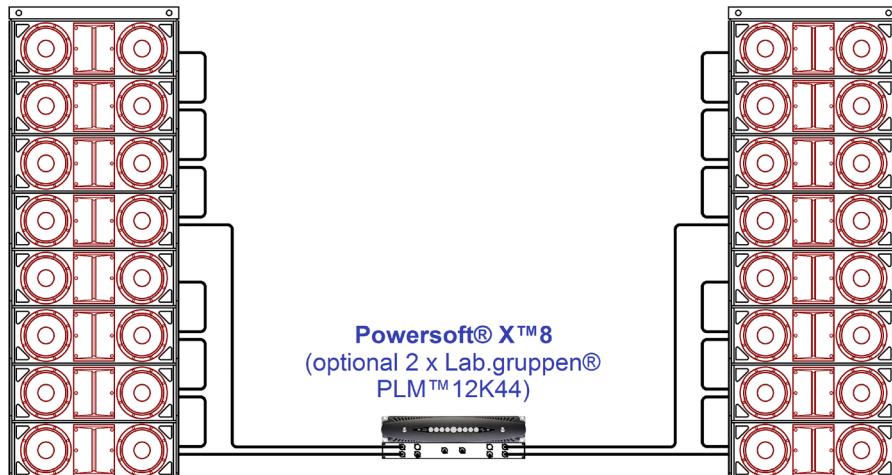
Layout: Flown Rigging System

Power: AES 51.700W

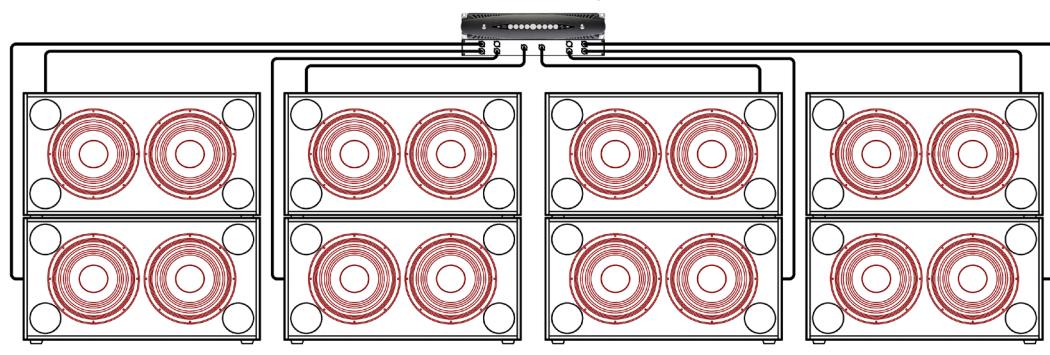
Amplification: 2 Powersoft® X™8 Amplifiers (optional 2 Lab.gruppen® PLM™12K44 Amplifiers + 2 Lab.gruppen® PLM™20K44 Amplifiers)

Configuration: 16 ME2oV Line Array + 8 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8
(optional 2 x Lab.gruppen®
PLM™20K44)



Line Array Configurations

MAGA ME20V.5 SYSTEM

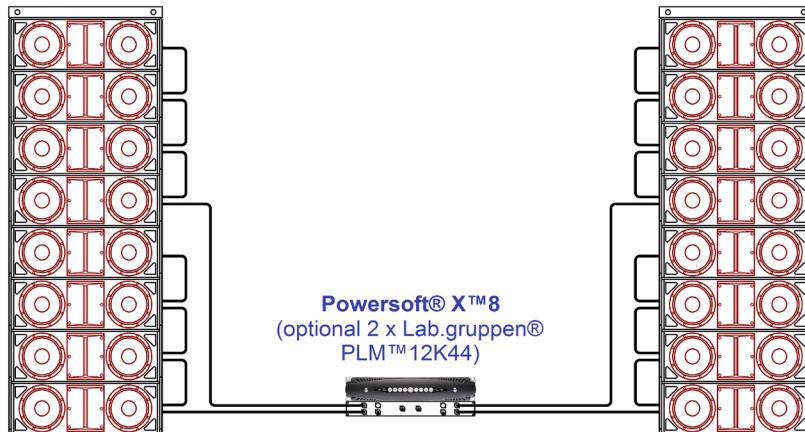
Layout: Flown Rigging System

Power: AES 64.500W

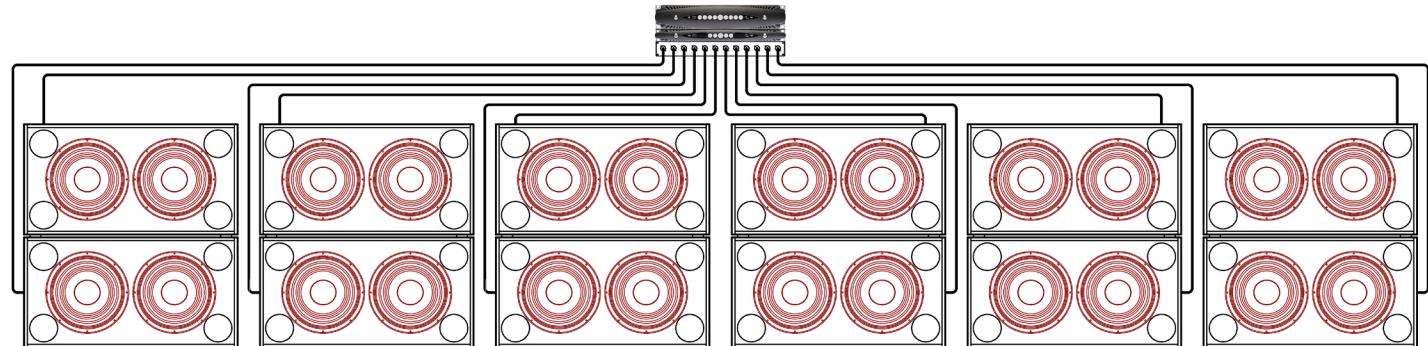
Amplification: 2 Powersoft® X™8 Amplifiers + 1 Powersoft® X™4 Amplifier
(optional 2 x Lab.gruppen® PLM™12K44 + 3 Lab.gruppen®
PLM™20K44 Amplifiers)

Configuration: 16 ME10V Line Array + 12 ME218LEX Dual 18" Subwoofers

Application: Outdoors



Powersoft® X™8 + Powersoft® X™4
(optional 3 x Lab.gruppen® PLM™20K44)



MAGA ME20V.6 SYSTEM

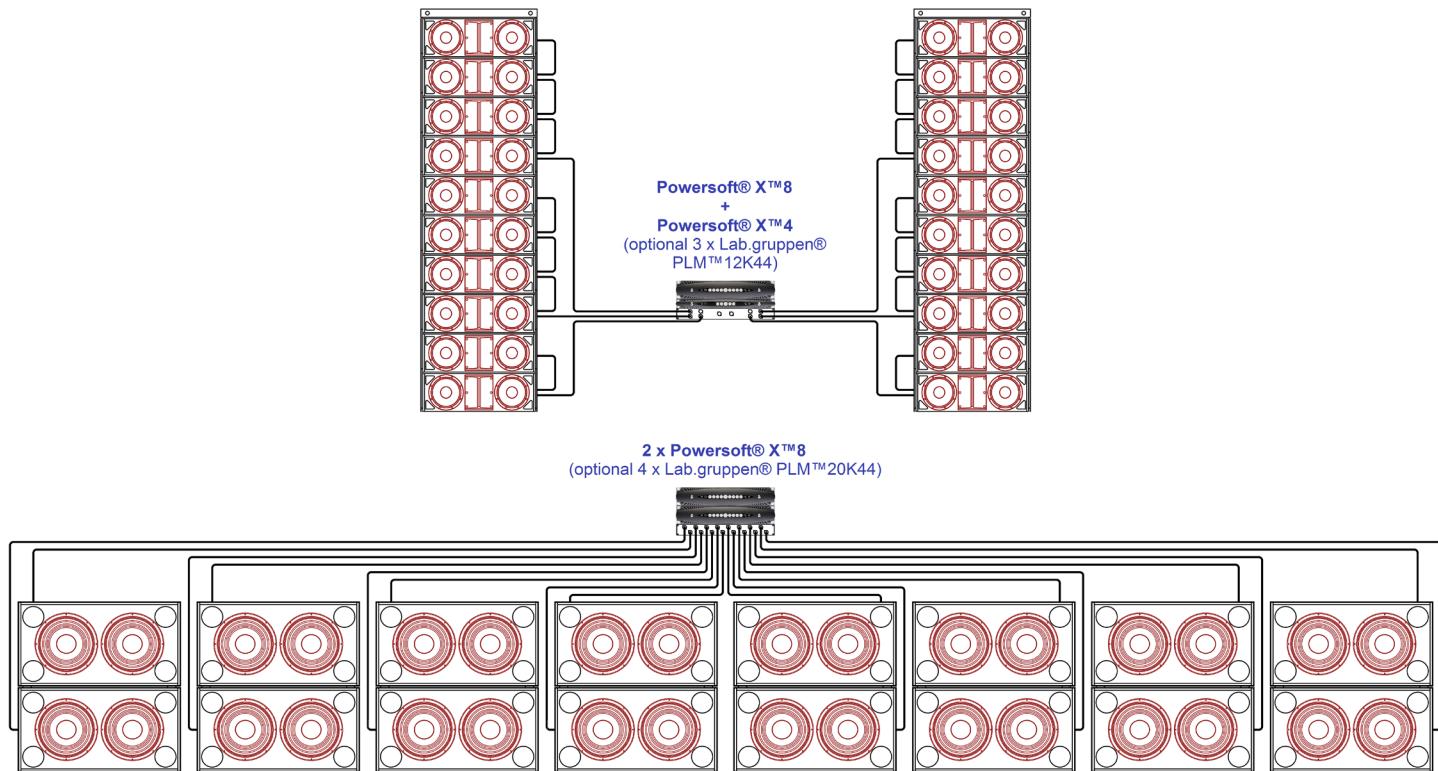
Layout: Flown Rigging System

Power: AES 83.800W

Amplification: 3 Powersoft® X™8 Amplifiers + 1 Powersoft® X™4 Amplifier
(optional 3 Lab.gruppen® PLM™12K44 Amplifier + 4 Lab.gruppen®
PLM™20K44 Amplifiers)

Configuration: 20 ME10V Line Array + 16 ME218LEX Dual 18" Subwoofers

Application: Outdoors



MAGA ME20V.7 SYSTEM

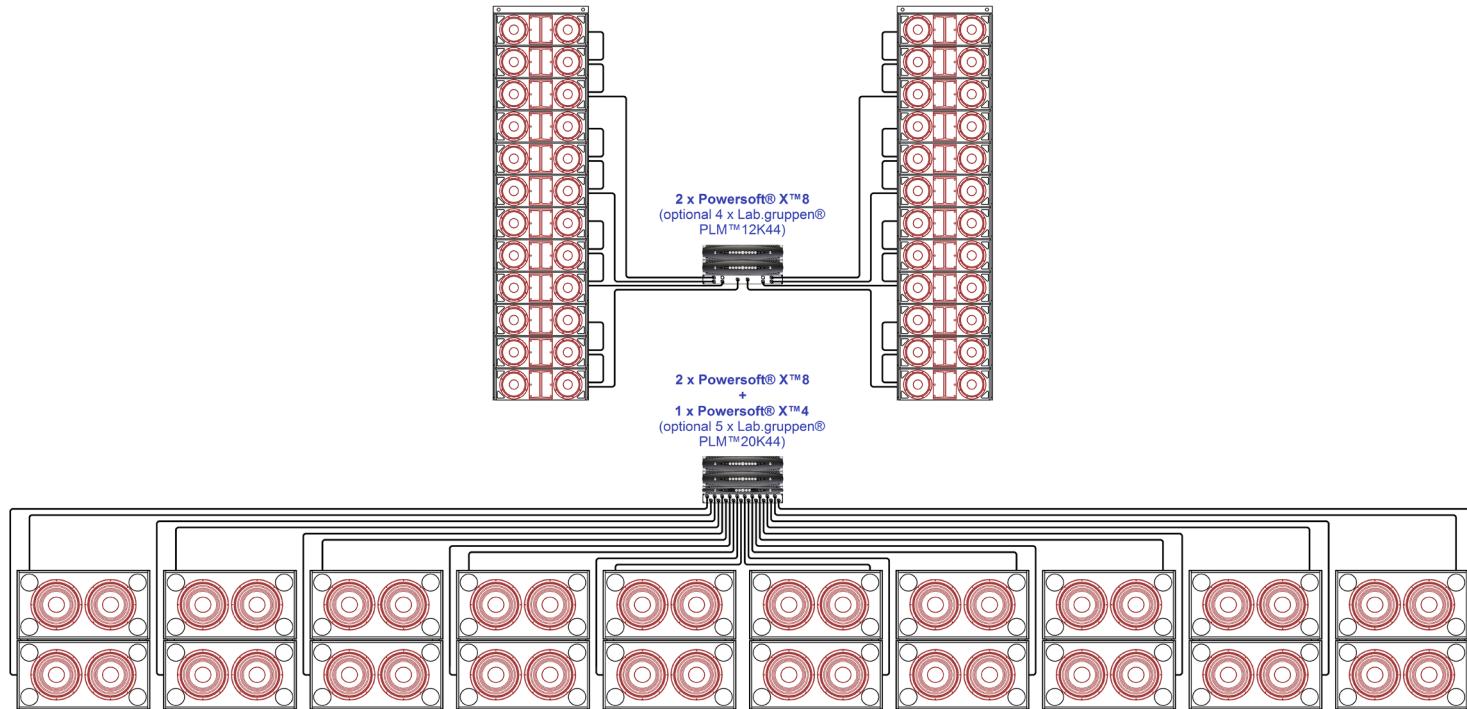
Layout: Flown Rigging System

Power: AES 103.100W

Amplification: 4 Powersoft® X™8 Amplifiers + 1 Powersoft® X™4 Amplifier
(optional 4 Lab.gruppen® PLM™12K44 Amplifiers + 5 Lab.
gruppen® PLM™20K44 Amplifiers)

Configuration: 24 ME20V Line Array + 20 ME218LEX Dual 18" Subwoofers

Application: Outdoors



NOTES

State of the Art Sound Systems

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