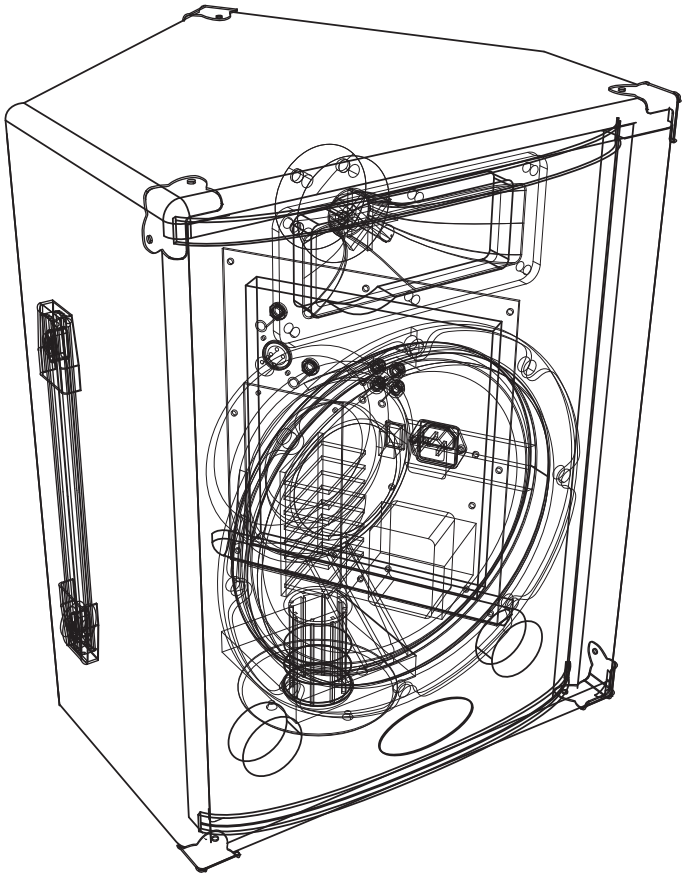
Stagg®
Universe of Music

USER'S MANUAL



MULTI PURPOSE AMPLIFIED SPEAKER

MPAS 80/10 or **MPAS 80/12**

ELECTRICAL CONNECTIONS AND SUPPLY

Thank you for purchasing this product.

The MPAS 80/10 or the MPAS 80/12 powered speaker with integral mixer section has been designed as a multi purpose tool.The internal power amplifier is rated at 65 Watts RMS @ 4 Ohms through a powerful 10" or 12"/ 8 Ohms speaker, making it ideal as a stand alone micro PA system. The MPAS 80/10 or MPAS 80/12 can also be utilised within a larger system, wherever sound is required.
Enjoy the versatility !

FOR YOUR SAFETY

MPAS 80/10 or MPAS 80/12

This speaker is mains (AC) powered and must be connected to a mains (AC) outlet to enable it to operate. Please ensure correct voltage and plug type are used before the unit is powered-up.

- This unit must never be used in humid conditions. It should not be exposed to dripping, splashing or proximity to objects filled with liquids.
- This Amplified Speaker system must be earthed.
- If the mains cable and/or plug become damaged, replace them immediately. Please, destroy the damaged cable and/or plug to avoid any possible future accidents and to protect the safety of yourself and others.
- Never attempt to open the cabinet yourself.
- Refer any servicing or repairs of this unit to a qualified electrican.
- Always use same type of fuse (T1A) when replacement is required.

IMPORTANT ! disconnect from mains when replacing fuse. The fuse cover must be in place before reconnecting to the mains.

CAUTION

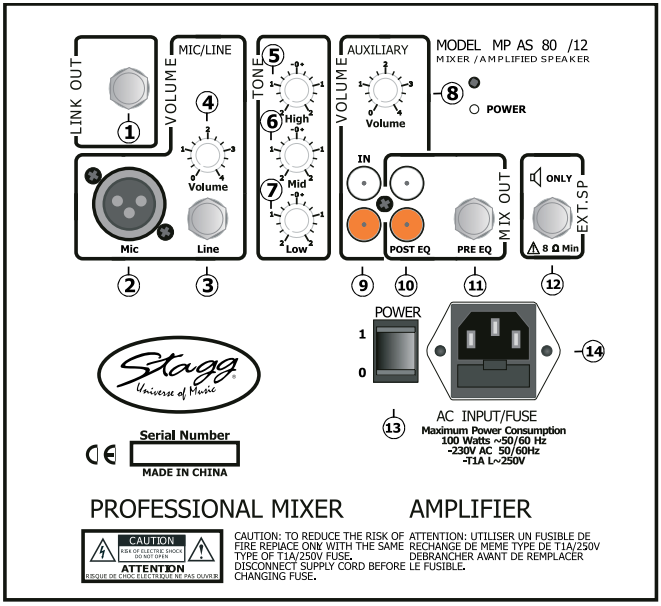
Exposure to extremely high volume levels could cause permanent hearing damage or loss. Keep volume at a reasonable level.

MARKING & CONFORMITY

1. The CE mark on this product means it conforms to the EMC Directive (89/69/EEC), CE marking Directive (93/68/EEC) and Low Voltage Directive (72/23/EEC).
2. The «Crossed-out Wheeled Bin» is to drawn your attention on the WEEE (Waste Electric & Electronic Equipment) Directive (2002/96/EC). It means this apparatus must be collected separately for recycling.
3. «RoHS compliant» means this device conforms to the Directive (2002/95EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipments, such as: Mercury, Lead, Cadmium, Hexavalent Chromium, Polybrominated Buphenyl (PBB) and Polybrominated Diphenyl Esthers (PBDE).

RoHS compliant

fig. 1



CAUTION : CHASSIS SURFACE HOT.
WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE,
ATTENTION: LE CHÂSSIS PEUT ÊTRE BRÛLANT À L'EXTÉRIEUR.
ATTENTION: AFIN DE RÉDUIRE LES RISQUES D'INCENDIE ET D'ÉLECTROCUTION, NE PAS EXPOSER L'APPAREIL À LA PLUIE OU À L'HUMIDITÉ

Max. Rated Power	65 Watts RMS @ 4 Ohms load
Frequency Response	60 Hz to 20 kHz
Total Harmonic Distortion	0.5%
Signal to Noise Ratio	-75 dB
Input Impedance	220 kOhms
Power Consumption	100 Watts max
Maximum Input LevelMaximum Gain	0.7 V (rms)
Maximum Gain	46 dB (@ 1 kHz)
Dimension (H*W*D)	MPAS 80/10=46.5*32*33 cm/ 18.3*12.6*13.0 in.
	MPAS 80/12=52.5*42*36 cm/ 20.7*16.5*14.2 in.
Weight	MPAS 80/10= 12.0 kg/ 26.5 lb
	MPAS 80/12= 14.0 kg/ 30.9 lb

How to operate the MPAS 80/10 or MPAS 80/12

①- **LINK OUTPUT** - This 1/4" jack socket features a line level output w/ 1k Ohm impedance@-10dBV. It is used to connect the MPAS 80/10 or 12 to an additional power amplifier, to another powered speaker or to a recording system. This line level signal source is the same as the one at input **3** .

②- **MIC Input** - This low impedance (1 k Ohm, typical) XLR input socket is designed to connect low impedance microphones with balanced output. Wiring of the 3-pin connector is: Pin 1= Shield; Pin 2 = Positive (Hot); Pin 3 + Negative (Cold).

③- **LINE Input** - This 1/4" input jack features a high impedance (100k Ohm, typical) to connect high impedance microphones or devices with a line level output, such as: Tape/CD/Radio players/Effect gears (Return Loop), etc. An Electric/Bass guitar or a keyboard can also be plugged in.
Both the high and the low impedance inputs may be used simultaneously.

④- **MIC/LINE Volume** - Controls the overall listening volume of the MIC/LINE mix.

⑤- **HIGH** - Adjusts the high-end frequency level of the EQ in the tone section.
⑥- **MIDDLE** - Adjusts the mid-end frequency level of the EQ in the tone section.

⑦- **LOW** - Adjusts the low-end frequency level of the EQ in the tone section.

⑧- **AUXILARY** Volume - This Control adjusts the level of the playback inputs: RCA/Phono/Cinch sockets on the control panel, see ⑨

⑨- **AUXILARY IN** - These RCA/Phono (RCA/Cinch) sockets are provided for connecting external sound sources such as: CD/MD/Tape machines. Left and Right inputs are linked together for monophonic use.

⑩- **POST EQ** - Both RCA/Phono (RCA/Cinch) sockets deliver a line-level, post EQ, output signal for recording use. The output level depends on tone section.

⑪- **PRE EQ** - This 1/4" jack socket is an external output for use with an extra EQ, an active Sub Woofer, etc. It provides a combination of all input signals and controls but is not influenced by the tone section. The impedance is 2k Ohm.

⑫- **EXT. SPEAKER** - This 1/4" jack socket is an external, 8 Ohm impedance output for use with passive enclosures only (Extension Speaker Cabinets, Sub Woofers, etc...) featuring a minimum load impedance of 8 Ohm.
This output provides a combination of all input signals and controls and is influenced by the tone section.

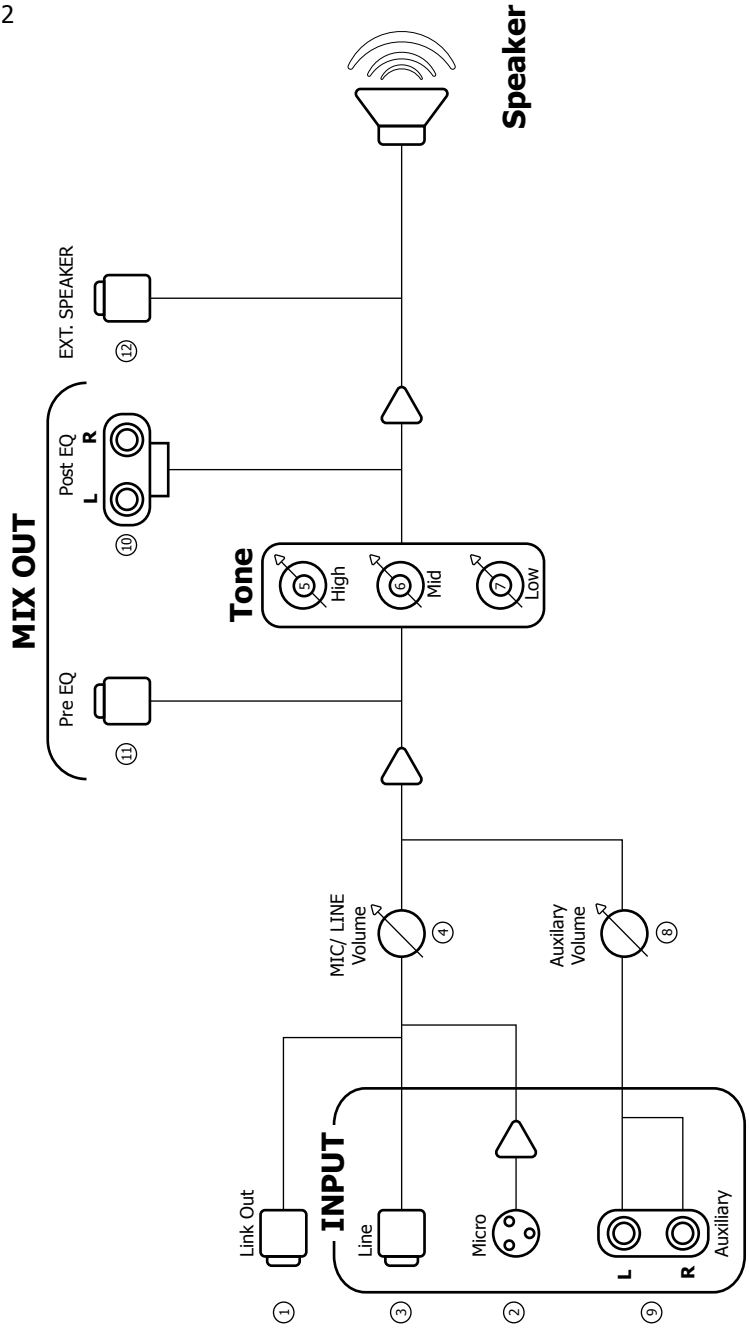
⑬- **POWER** - This ON/OFF switch activates/deactivates the unit. Red LED «ON» means the equipment is ready to work.
When the mains switch is in position «1», the power is switched «ON».
When the mains switch is in position «0», the power is switched «OFF».

⑭- **MAINS SOCKET** - Plug mains cable into this socket prior to connect it to the proper power outlet. This socket also features the (T1A) Mains Fuse.

Features and Specifications are subject to change without notice

BLOCK DIAGRAM

fig. 2



How to operate the MPAS 80/10 or MPAS 80/12

Block Diagram

The block diagram is a visual representation of the internal links between the inputs and outputs, the volume controls and the tone section as explained on page 5.

Examples of Use

The diagrams on the next pages show how to connect the device in different situations.The figures mentionned on the diagrams are matching the figures written in the "block diagram" on page 6 **(fig. 2)**, as well as those shown on the visual representation of the operating panel on page 4 **(fig.1)**.

Modular PA extension

The PA system can be modulary extended by adding almost an infinite number of active speaker systems, such as MPAS 80/1O, MPAS 80/12, ... or any MPAS 80/xx.

N.B: In the diagrams, MPAS 80/10 and MPAS 80/12 are both symbolized by MPAS 80/xx.
Whenever an optional extension is available, this is symbolized by the grey coloured MPAS 80/xx in the example diagrams.

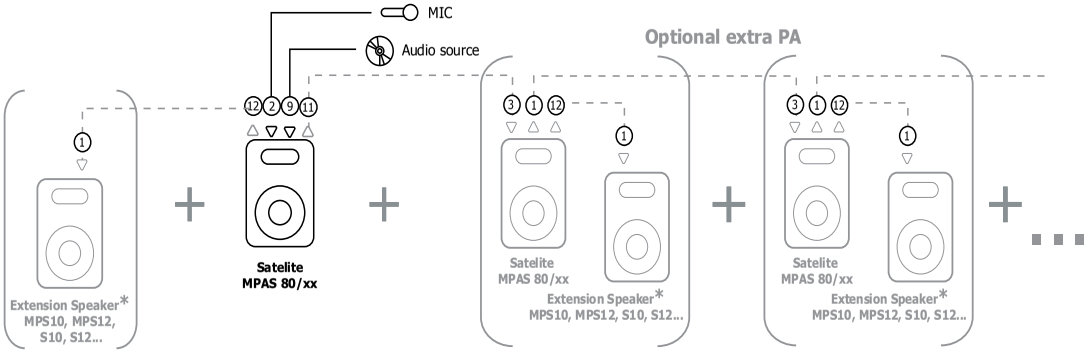
The PA system can be modulary extended by connecting any **passive speaker enclosure with a minimum load impedance of 8 Ohms** (MPS-10, MPS-12,... or MPS xx, S 10, S 12, ... or S xx..., or else) to the «EXT.SPK» output of this active speaker system.

Following are examples of the most common situations where the MPAS 80/10 or MPAS 80/12 can be used. The multiple mixing possibilities make our speaker usefull in many other situations.

Note:

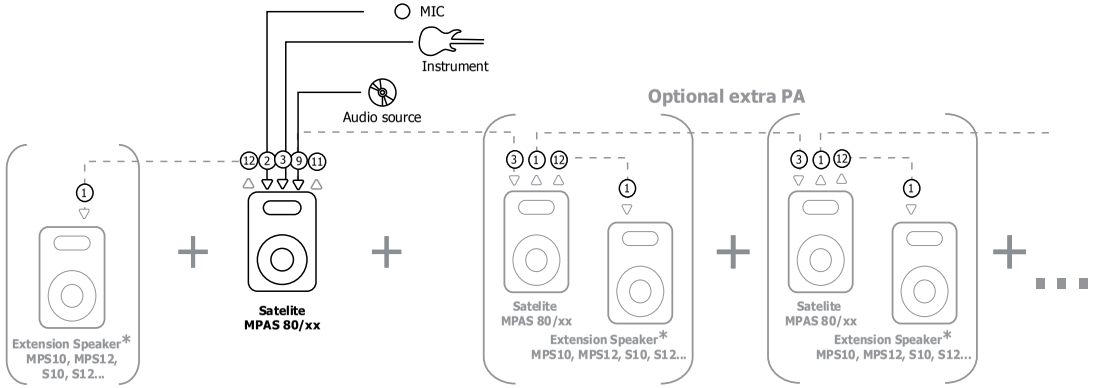
Your dealer will assist you if you have any doubt about the technical specifications or the use of this fine product.

For use as small PA System for conference / meetings (mono)



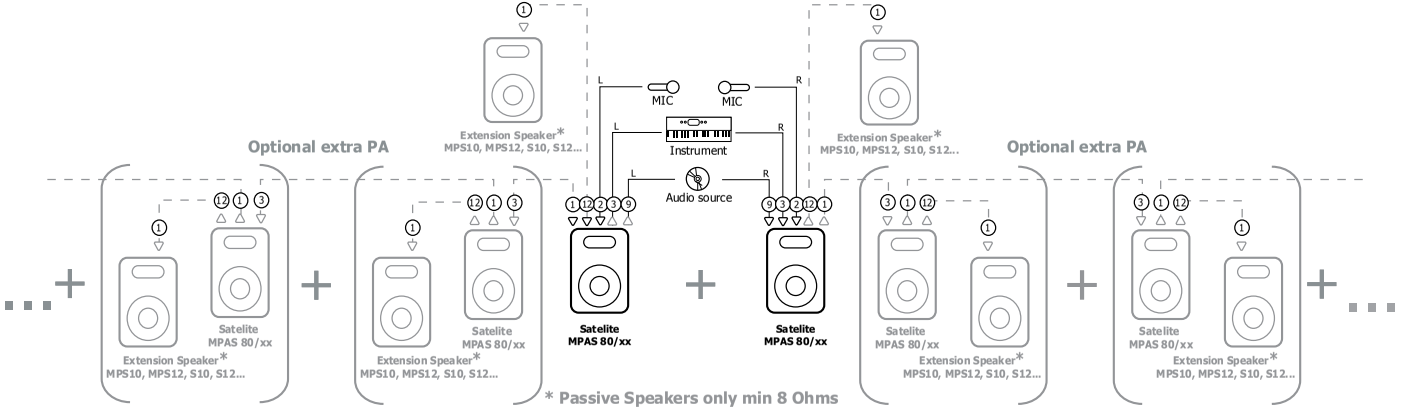
* Passive Speakers only min 8 Ohms

For use as small PA System for musicians (mono)



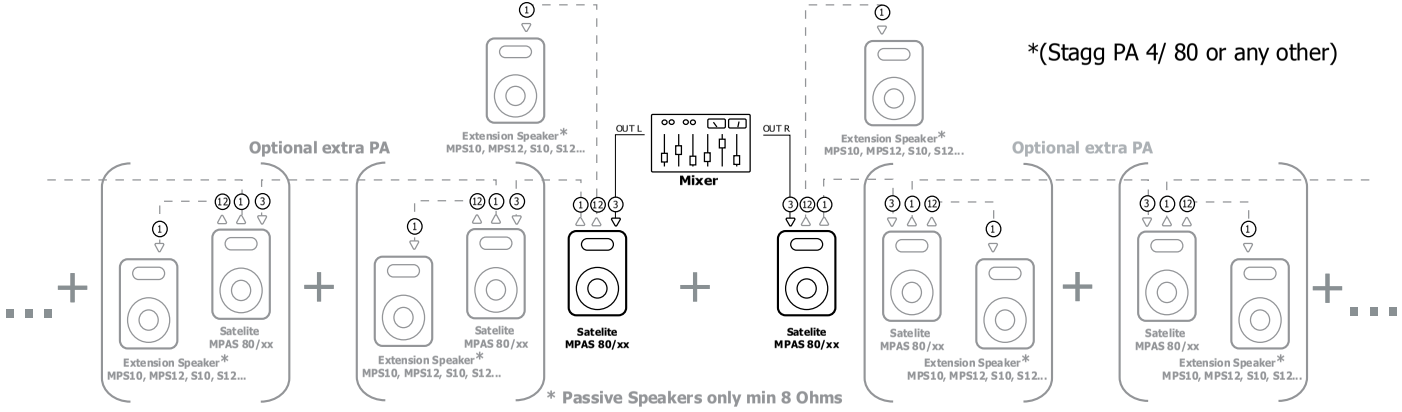
* Passive Speakers only min 8 Ohms

For use as Small PA for CD / Tape / Projectors / Keyboards (stereo)



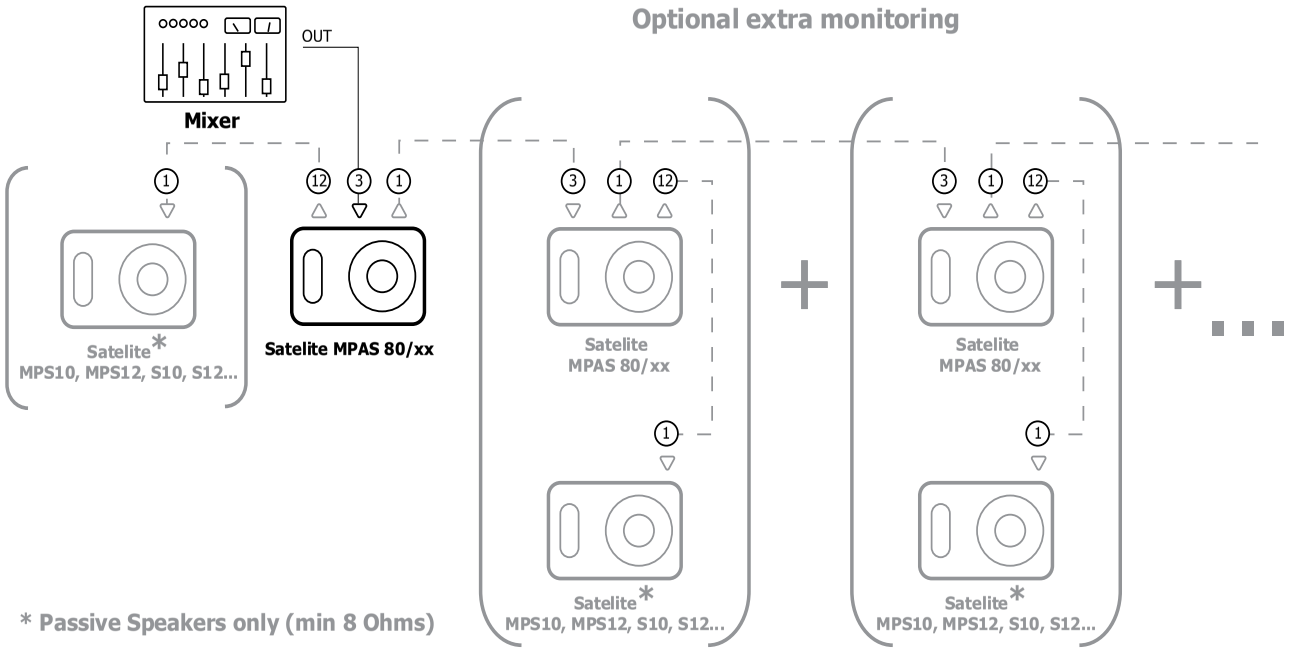
For use as Speaker System* or as Extension of PA (stereo)

*(Stagg PA 4/ 80 or any other)



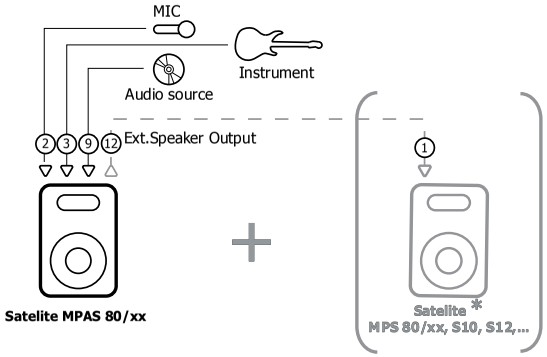
For use as Monitor System

Note: INPUT ⑨ offers the possibility to add very personal monitoring on top of the monitor mix !



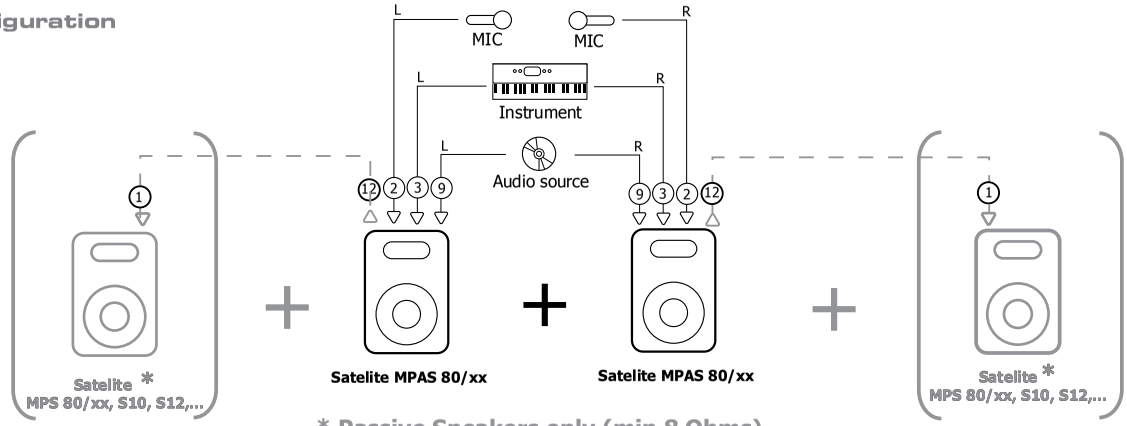
For use as small PA System with Optional Extension Speaker Cabinet*

MONO configuration



* Passive Speakers only (min 8 Ohms)

STEREO configuration



* Passive Speakers only (min 8 Ohms)

Specifications are subject to change without notice.

EMD Graphics 05-2006