



A WORD FROM MARCO DE VIRGILIIS

Thank you for choosing a **Markaudio** product! **Markaudio** is a division of **Mark World** dedicated to pro audio sound reinforcement.

Building on the top-level reputation built up over many years by our industry-leading brands *Markbass* and *DV Mark*, **Markaudio** boasts the same high level of innovation and engineering.

The result is groundbreaking sound quality, impressive power, and innovative design.

Hope you will enjoy your new **Markaudio** P.A. system, and we invite you to contact us any time with your comments and questions, at *info@markaudio.it*.

Thanks again, and good music! Marco De Virgiliis

Marsh Value,





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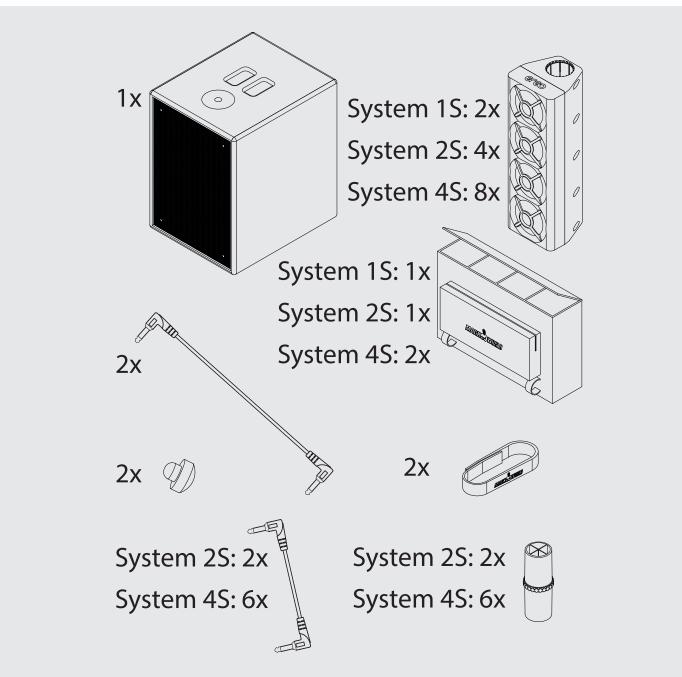






WHAT'S IN THE BOX









INTRODUCTION

CGO stereo system is a ultra-portable active sound system (composed by two modular line array plus a subwoofer) that combines quality of sound and design with high operating efficiency of our power amplifier.

Modularity is the keyword of this innovative system, designed for one-man band, small band to big orchestra, home and movie theaters, churches... here 3 different configurations which can be adapted to all your needs giving unparalleled flexibility whatever the application: from small to large audience!

EGO system 1S 121

features four 2.0" full range custom transducers (1 **EGO** module) for each of two line array satellites and one 1x12" subwoofer (**EGO 121**);

EGO system 2S 121

features eight 2.0" full range custom transducers (2 **EGO** modules) or each of two line array satellites and one 1x12" subwoofer (**EGO 121**);

EGO system 4S 121

features sixteen 2.0" full range custom transducers (4 **EGO** modules) for each of two line array satellites and one 1x12" subwoofer (**EGO 121**);

CGO stereo systems include high power class-D amplifiers, the **CGO** 121 subwoofer features a three-way amplifier with DSP controlled crossover (500W for low channel + 200W for high channel, 100W for left channel + 100W for right channel).

The processing of the **EGO** DSP allows to deliver a high output from these small systems with a precise and focused response on both low and high frequencies and a quick control of distorsion.

CCO stereo systems design offers a perfect listening experience to the audience with its accurate sound.

The installation is easy and simple and the different mounting setup options are available to suit every taste and need of the listener.

The innovative design of the satellite allows to rotate each module respect to the position of subwoofer; it also allows to use a part of the satellite as a 'Floor monitor'.





SUBWOOFER CONTROL PANEL - ERGO 121 STEREO

RIGHT (1) and LEFT LINK (2)

Line out to connect another Markaudio system to the principal system.

GAIN INSTRUMENT (3)

This knob regulates the gain level of the INSTRUMENT input.

INSTRUMENT CLIP (4)

This clip LED allows you to set the optimal gain level of your signal due to instrument input.

PRESETS (5)

The selector allows you to choose between 6 different equalization settings, optimized for the use with the different systems:

EFGO 1S (1) **EFGO** 1S with Boost (2) **EFGO** 2S (3) **EFGO** 2S with Boost (4) **EFGO** 4S (5) **EFGO** 4S with Boost (6);

CLIP LEFT (6) and RIGHT (7)

The clip LEDs allow you to set the optimal level of the stereo signal send to the system's speakers. To find the optimal level back off the power amp level (MASTER) so that the LEDs rarely turn on..

MONO/STEREO SWITCH (8)

When a stereo signal is connected to the AUX or BT Input you can send separate channels to satellites in STEREO mode.

Otherwise you can send the same sound source to both satellites in MONO mode.

MASTER LEVEL (9)

This is the MASTER Volume level.

ON (10) Power status indicator LED.

RIGHT (11) and LEFT (13) XLR INPUTS

XLR Balanced Inputs.

The XLR 3-pole female jack is electronically balanced (hot pole: #2). You can use unbalanced sources only if your cables have pole 3 jumpered to pole 1.

Important: when powering up, turn on your sound source (CD player and mixer, for example) before turning on the MarkAudio cabinets. When powering off, turn the cabinets off first.

GROUND LIFT (12)

This switch may be needed for the cancellation of hum due to ground loops with other apparatuses.





INPUT INSTRUMENT (14) Line input 1/4" jack (for direct plugging a MONO instrument); **AUX INPUT (15)**

Line input jack for plugging a STEREO audio signal through mini-jack connector;

BT PAIRING (16)

The pushbutton enables the pairing connection between **EGO** 121 STEREO and a Bluetooth audio source (available ONLY in Bluetooth version);

BT LED (17)

The led shows you when bluetooth receiver is enabled and when an external audio device is connected to **EFGO** 121 STEREO (available ONLY in Bluetooth version);

VOLUME LOW (18)

This is the volume level of the LOW channel (1 x 12" woofer);

POWER OUT RIGHT (19)

Use this output to connect the first column of **EGO** module/s as showed at the following CONNECTIONS instructions (RIGHT CHANNEL);

POWER OUT LEFT (20)

Use this output to connect the second column of ERGO module/s as showed at the following CONNECTIONS instructions (LEFT CHANNEL);

COOLING (21)

Forced ventilation stabilizes the working temperature of electronic components for continuous performance, even after a long period of operation. Avoid using the loudspeaker on irregular surfaces that might block the vents;

AC POWER SOCKET (22)

VDE power jack for connecting the power cable from the unit to a wall power source. Make sure the unit is grounded; all three terminals of the AC power plug must be connected to avoid any injury to the user or damage to the unit.

Markaudio powered speakers are manufactured to be used in the country where they have been sold, and are factory preset to that country's voltage. So make sure you're sending the correct voltage to your amp before you connect it to AC power;

FUSE (23) Fuse housing;

ON/OFF SWITCH (24) On/off power switch.







CONNECTIONS **CGO** stereo system

EFGO satellite is composed by different modules, each one composed by four 2" full-range speakers.

EGO system 1S 121 features 2 EGO modules

EFGO system 2S 121 features 4 **EFGO** modules

EFGO system 4S 121 features 8 **EFGO** modules

Each module fits to another one and you can decide the preferred angle exploiting "pivot" edges.







INSTALLATION

1. Put the **EFGO 121 STEREO** on the floor vertically;

2. Mount 'Tripods stands' (not included) near the **EGO 121 STEREO** and insert the first **EGO** module insert the first **EGO** module on the top of each tripod;

3. Use the first 'long' jack cable to connect the 'Power Out LEFT" of the **EGO 121** subwoofer to the LEFT **EGO** module input. Use the second 'long' jack cable to connect the 'Power Out RIGHT" of the **EGO 121** subwoofer to the RIGHT **EGO** module input;

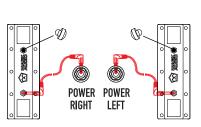
4. If you have **CGO** system 2S or **CGO** system 4S, take the second, the third and the fourth modules and fix them on the top of the first one through the equipped junctions (pivot) with the angle you prefer (repeat this step for each **CGO** column);

5. Take 1 or 3 'short' jack cables and link each module with the close one as shown in the table (repeat this step for each **EGO** column);

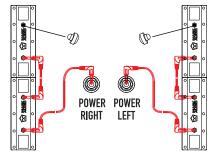
6. Put 1 jack cap to the uncovered output of last **EFGO** module;

7. Use the "Velcro band" to link long cables;"

8. Link the power cord (230 V) and turn on your system.



ERGO SYSTEM 1S CONNECTIONS



ERGO SYSTEM 2S CONNECTIONS





INSTALLATION - MORE CONFIGURATIONS

CGO monitor configuration





360° rotating speaker column (15° steps)

CCO desk configuration



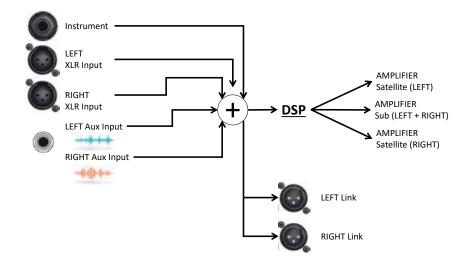
EGO Wall Mount configuration







MONO MODE



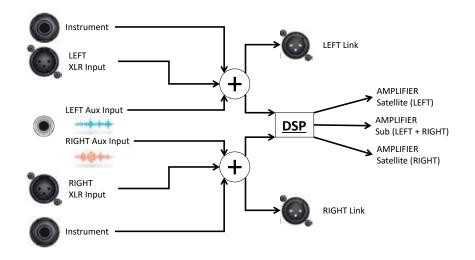








STEREO MODE









TECHNICAL DETAILS

CC system 1S 121

ACOUSTICAL SPECIFICATIONS

Frequency response: 50 Hz- 20 kHz Max SPL: 123 dB Horizontal coverage angle: 120° Vertical coverage angle: 30° Satellite: 4x2.0", 16 Ohm Sub: 1 x 12", 8 Ohm INPUT/OUTPUT SECTION

Input connectors: Jack-XLR male-AUX-Bluetooth Output connectors: XLR female Input sensitivity: -1.1 dBu (@1 kHz)

DSP PROCESSOR SECTION

Crossover frequencies: 180 Hz Protections: Thermal, rms Limiter: Soft limiter Controls: Volume, EQ

AMPLIFIER

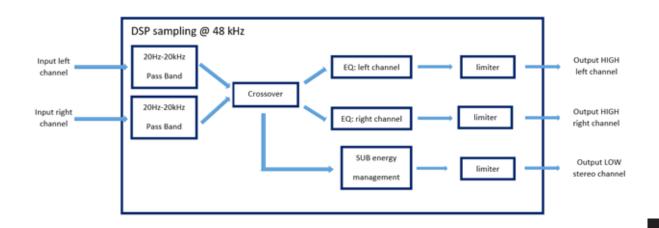
Total Power: 1400 W PEAK (@ 4 Ohm) High frequencies: 200+200 W PEAK (@ 4 Ohm) Low frequencies: 1000 W PEAK (@ 4 Ohm) Total Power: 700 W RMS (@ 4 Ohm) High frequencies: 100+100 W RMS (@ 4 Ohm) Low frequencies: 500 W RMS (@ 4 Ohm) Cooling: Convection Power Connection: VDE connector

CABINET

Cabinet Material: multiply poplar Handles: 1 top Pole Mount/Cap: Yes, 2 tripods Colour: Black

PHYSICAL

Weight Fullrange: 2 Kg Weight SUB: 16.5 Kg Fullrange Speaker Pole mount Height SUB: 21 in. / 53 cm Height Satellite: 10.2 in. / 26 cm





TECHNICAL DETAILS

CC system 2S 121

ACOUSTICAL SPECIFICATIONS

Frequency response: 50 Hz- 20 kHz Max SPL: 126 dB Horizontal coverage angle: 120° Vertical coverage angle: 30° Satellite: 8 x 2.0", 8 Ohm Sub: 1 x 12", 8 Ohm INPUT/OUTPUT SECTION

Input connectors: Jack-XLR male-AUX-Bluetooth Output connectors: XLR female

Input sensitivity: -1.1 dBu (@1 kHz)

DSP PROCESSOR SECTION

Crossover frequencies: 180 Hz Protections: Thermal, rms Limiter: Soft limiter Controls: Volume, EQ

AMPLIFIER

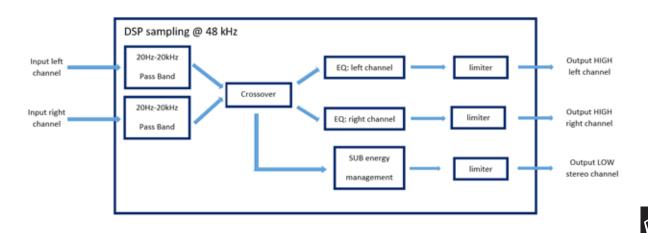
Total Power: 1400 W PEAK (@ 4 Ohm) High frequencies: 200+200 W PEAK (@ 4 Ohm) Low frequencies: 1000 W PEAK (@ 4 Ohm) Total Power: 700 W RMS (@ 4 Ohm) High frequencies: 100+100 W RMS (@ 4 Ohm) Low frequencies: 500 W RMS (@ 4 Ohm) Cooling: Convection Power Connection: VDE connector

CABINET

Cabinet Material: multiply poplar Handles: 1 top Pole Mount/Cap: Yes, 2 tripods Colour: Black

PHYSICAL

Weight Satellite: 4 Kg Weight SUB: 16,5 Kg Fullrange Speaker Pole mount Height SUB: 21 in. / 53 cm Height Satellite: 20.4 in. / 52 cm





TECHNICAL DETAILS

CC system 4S 121

ACOUSTICAL SPECIFICATIONS

Frequency response: 50 Hz- 20 kHz Max SPL: 129 dB Horizontal coverage angle: 120° Vertical coverage angle: 30° Satellite: 16x2.0", 4 Ohm Sub: 1 x 12", 4 Ohm INPUT/OUTPUT SECTION

Input connectors: Jack-XLR male-AUX-Bluetooth Output connectors: XLR female

Input sensitivity: -1.1 dBu (@1 kHz)

DSP PROCESSOR SECTION

Crossover frequencies: 180 Hz Protections: Thermal, rms Limiter: Soft limiter Controls: Volume, EQ

AMPLIFIER

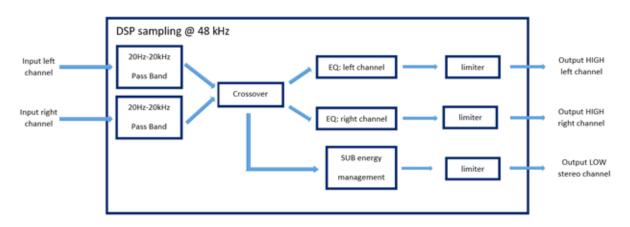
Total Power: 1400 W PEAK (@ 4 Ohm) High frequencies: 200+200 W PEAK (@ 4 Ohm) Low frequencies: 1000 W PEAK (@ 4 Ohm) Total Power: 500 W RMS (@ 4 Ohm) High frequencies: 100+100 W RMS (@ 4 Ohm) Low frequencies: 500 W RMS (@ 4 Ohm) Cooling: Convection Power Connection: VDE connector

CABINET

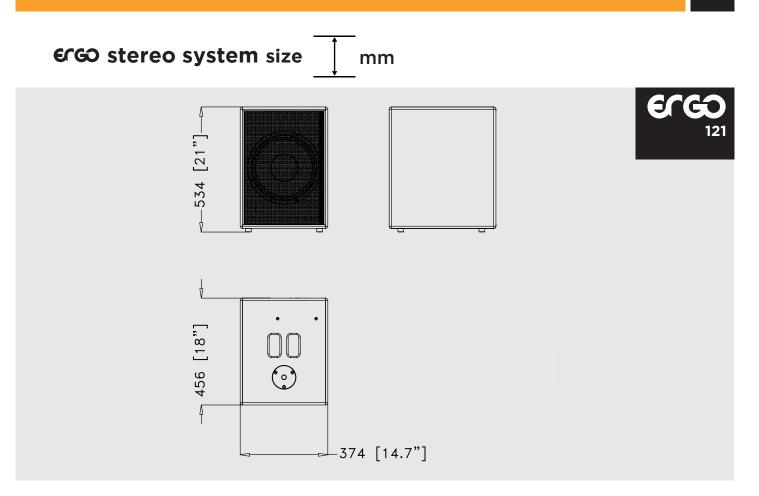
Cabinet Material: multiply poplar Handles: 1 top Pole Mount/Cap: Yes, 2 tripods Colour: Black

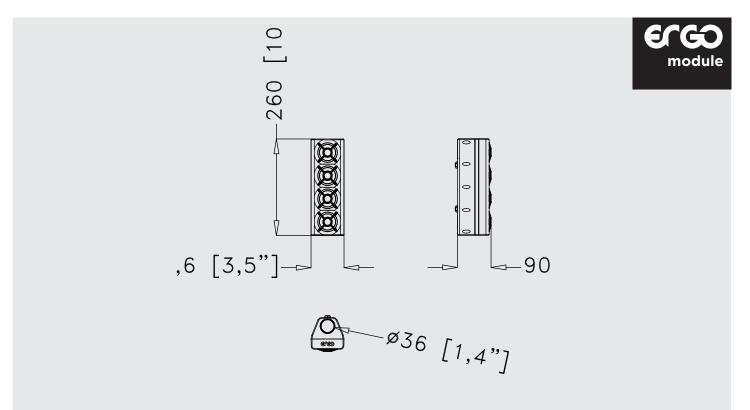
PHYSICAL

Weight Fullrange: 8 Kg Weight SUB: 16.5 Kg Speaker Pole mount Height SUB: 21 in. / 53 cm Height Satellite: 40.8 in. / 1.04 m













ACCESSORIES



ERGO module Single ERGO loudspeaker module with 4x2" speakers



ERGO Short Cable 150mm speaker cable (1/4" to 1/4" jack) for ERGO connection (included only in the ERGO Systems)



Tripod Stand 2 x Tripod with pole Ø 35 Adjustable height: 1200 - 1800 mm



ERGO long cable 2000mm speaker cable (1/4" to 1/4" jack) for ERGO connection

(included only in the ERGO Systems)

ERGO Speaker Pole Pole for mounting ERGO modules on subwoofer Ø 35mm. Adjustable height: 735-1230mm (included in ERGO Systems)





ERGO Wall Mount Mechanical Interface for fixing ERGO to a wall Ø 35mm



Strap cable Velcro stand cables retainer (included only in the ERGO Systems)



ERGO System Bag Bag for 4 ERGO modules, stands and cables (included only in the ERGO Systems)



ERGO 121 Cover ERGO 121 cover



ERGO pivot Pivot to connect ERGO modules together



Jack cap Cap (2pcs) for sealing the speaker's female input jack when not in use







POWER REQUIREMENT

100V; 120V; 230V; 240V 50/60Hz (Voltage is factory preset according to region of sale). Markaudio amps are manufactured to be sold and used in the country of purchase, and are factory preset to that country's voltage. Due to homologation issues, the voltage may not be changed.

FUSE

EUROPE 4 A 250V T 5x20 AUSTRALIA/UK 4 A 250V T 5x20 USA/CANADA 8 A 250V T 5x20 JAPAN 10 A 250VT 5x20

