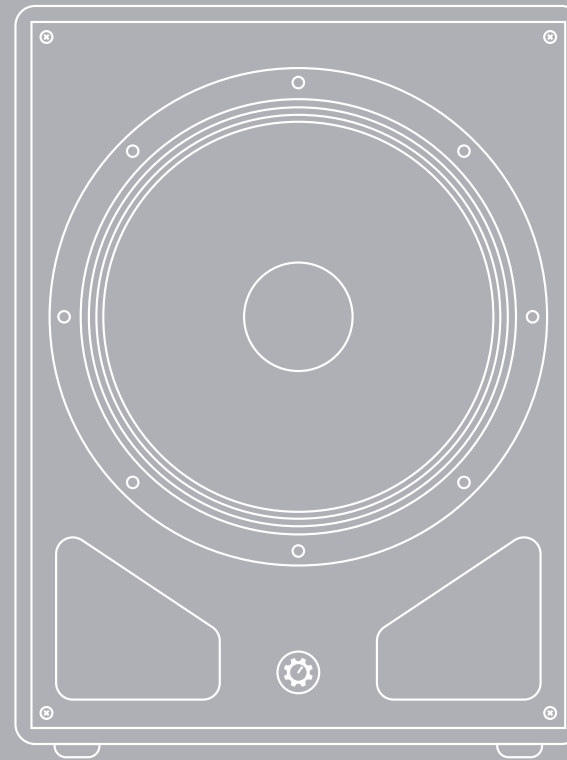
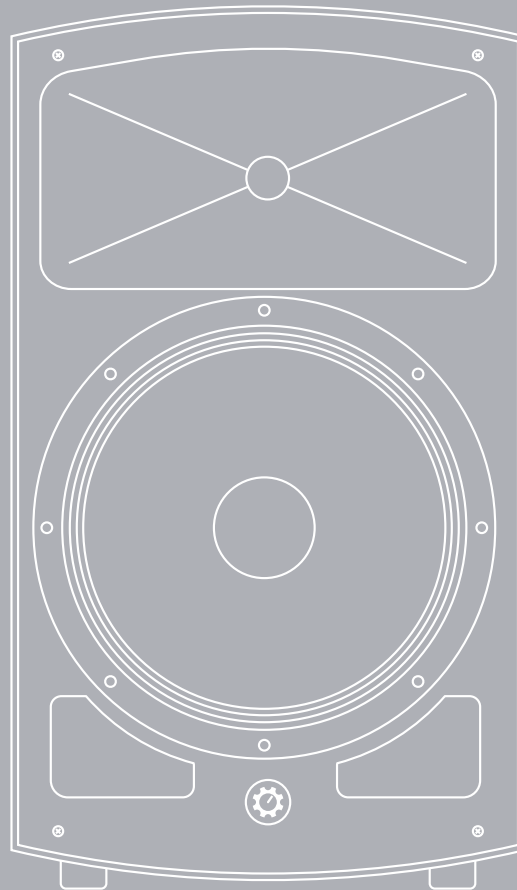


PS-12DSP/15DSP/15SDSP/18SDSP/12P/15P/15SP/18SP



ACTIVE DSP / PASSIVE SPEAKERS
User Manual

Active DSP / Passive Speakers

Thank you for purchasing a G4M Active DSP / Passive Speaker. To get the most out of your product, please read this manual carefully.

FEATURES

- Precise yet nuanced sound reproduction for small to medium sized venues.
- The range provides the ultimate solution in PA design
- Rugged and durable construction, perfect for use on the road.
- 35mm pole connectors allow tops and subs to be combined with ease.

BOX CONTENTS

PS-12DSP, PS-15DSP, PS-15SDSP, PS-18SDSP

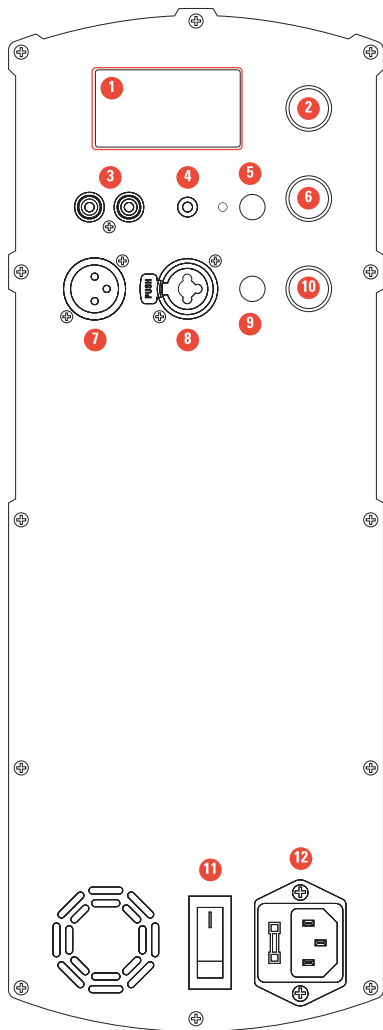
- 1 x UK IEC Cable
- 1 x EU IEC Cable
- Manual

PS-12P, PS-15P, PS-15SP, PS-18SP

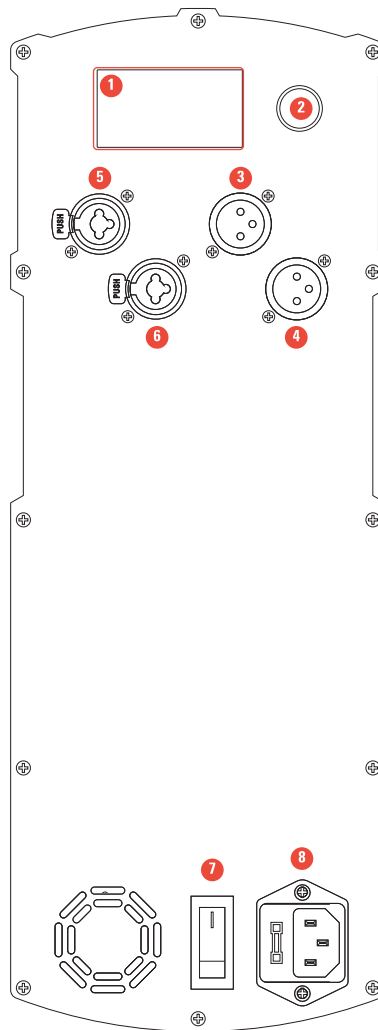
- Manual

Overview

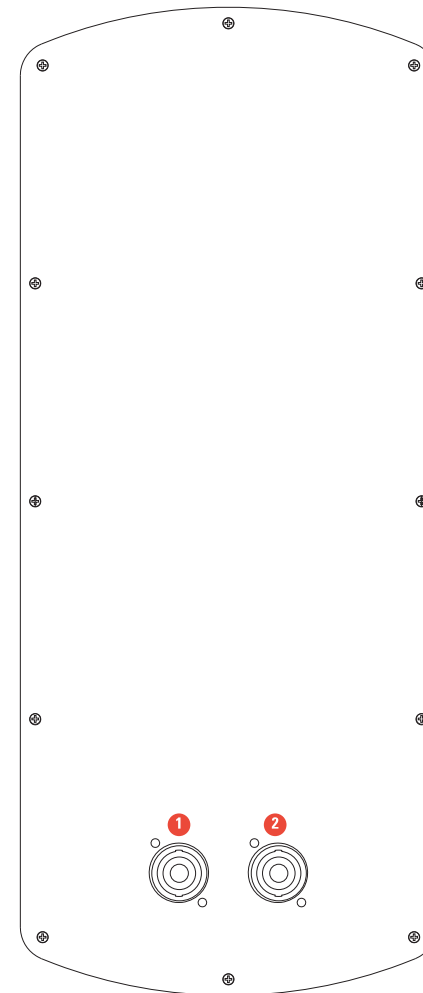
PS-12/15-DSP



PS-15/18-SDSP



PS-12/15P & 15/18SP



Overview

PS-12/15-DSP

- LCD DISPLAY**
Provides visual feedback for DSP controls and settings.
- DSP ENCODER**
Used to control DSP settings either by turning or pressing. Please see the DSP SETTINGS sections for full information.
- RCA LINE INPUT**
Stereo RCA Line In connection for Channel 1.
- AUX INPUT**
Stereo 3.5mm Jack Aux In connection for Channel 1.
- BLUETOOTH**
This button enables bluetooth connectivity on Channel 1.
- CHANNEL 1 GAIN**
Controls the output level of Channel 1.
- OUTPUT**
Balanced XLR output for passing the mixed signal to another speaker.
- COMBI INPUT**
Balanced combi Jack/XLR input for Channel 2.
- LINE/MIC SWITCH**
Selects whether the input of Channel 2 is Line level or Dynamic Microphone level.
- CHANNEL 2 GAIN**
Controls the output level of Channel 2.
- POWER SWITCH**
Used to power the Precision DSP Speaker on and off.
- IEC SOCKET**
For connecting to a mains power supply using the supplied IEC power cable. A fuse is included within the IEC socket for added protection. If the fuse fails ensure it is replaced with a fuse of the same type and rating.

PS-15/18-SDSP

- LCD DISPLAY**
Provides visual feedback for DSP controls and settings.
- DSP ENCODER**
Used to control DSP settings either by turning or pressing. Please see the DSP SETTINGS sections for full information.
- OUTPUT 1**
Balanced XLR Output for sending the signal of Channel 1 onwards to a full range speaker or second subwoofer.
- OUTPUT 2**
Balanced XLR Output for sending the signal of Channel 2 onwards to a full range speaker or second subwoofer.
- COMBI INPUT 1**
Balanced combi Jack/XLR input for Channel 1.
- COMBI INPUT 2**
Balanced combi Jack/XLR input for Channel 2.
- POWER SWITCH**
Used to power the Precision DSP Speaker on and off.
- IEC SOCKET**
IEC input for the supplied power cable, please only use the UK/EU IEC cable provided.

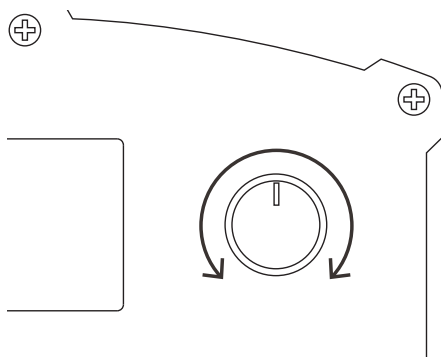
PS-12/15P & 15/18SP

- INPUT**
2-Pole Speakon input.
- OUTPUT**
2-Pole Speakon output for passing the output to another speaker.

12/15 Speaker DSP Settings

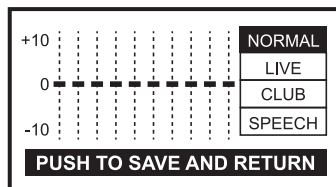
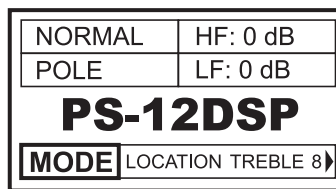
DSP

Turn the ENCODER to choose an option, press the ENCODER to select.



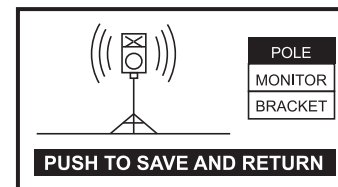
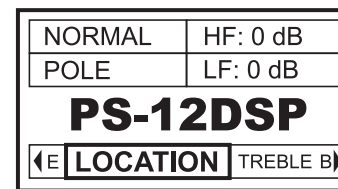
MODE

Turn on the ENCODER to choose an EQ preset, press the ENCODER to select. Options are NORMAL, LIVE, CLUB and SPEECH.



LOCATION

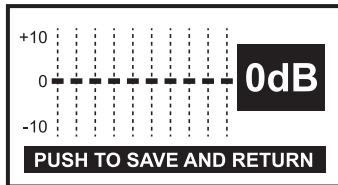
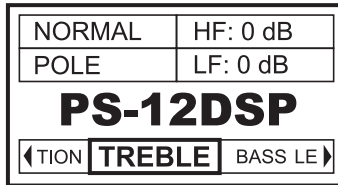
Turn the ENCODER to choose a Location Preset, press the ENCODER to select. Options are POLE, MONITOR and BRACKET.



12/15 Speaker DSP Settings

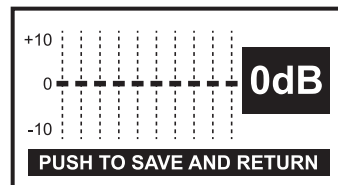
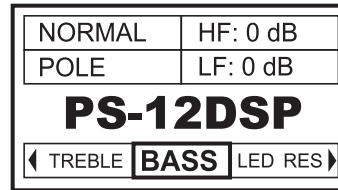
TREBLE

TREBLE: Turn the ENCODER to add or subtract the level of the Treble to +-10dB, press the ENCODER to save your settings.



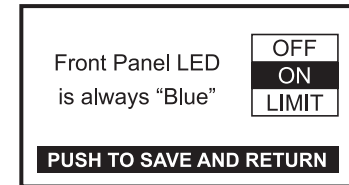
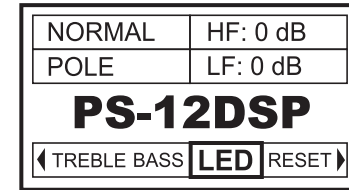
BASS

BASS: Turn the ENCODER to add or subtract the level of the Bass to +-10dB, press the ENCODER to save your settings.



LED

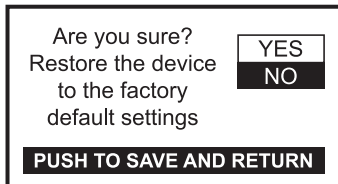
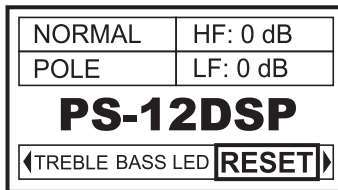
LED: Turn the ENCODER to choose an LED setting, press the ENCODER to select. Options are ON, OFF and LIMIT. In LIMIT mode the LED will illuminate when the on board limiter is triggered.



12/15 Speaker DSP Settings

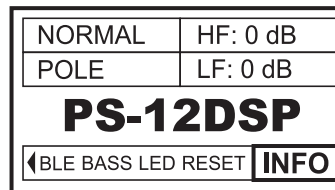
RESET

Turn the ENCODER to choose whether to reset to factory settings, press the ENCODER to select.



INFO

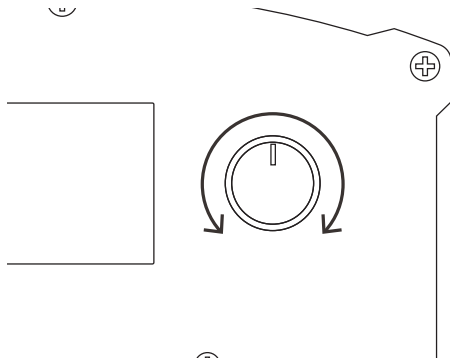
Press the ENCODER to show information about the product, press again to exit.



15/18 Sub DSP Settings

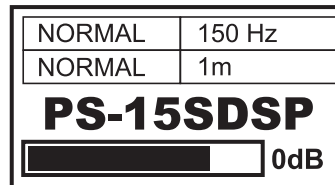
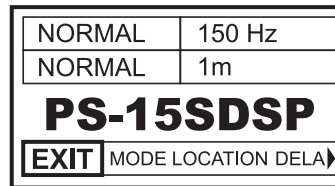
DSP

Turn the ENCODER to choose an option, press the ENCODER to select .



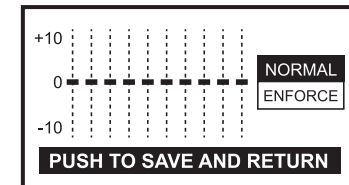
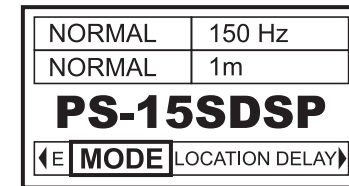
GAIN

On the default screen, turn the ENCODER to set the output gain of the sub from muted to +10dB, press the ENCODER to save. .



MODE

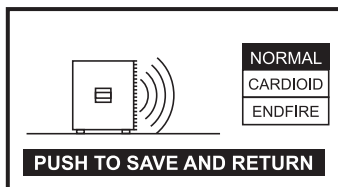
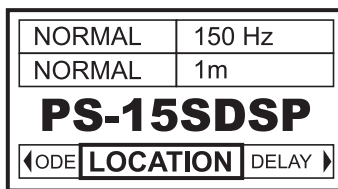
Turn the ENCODER to select one of the two EQ presets, press the ENCODER to save. The options are NORMAL and ENFORCE.



15/18 Sub DSP Settings

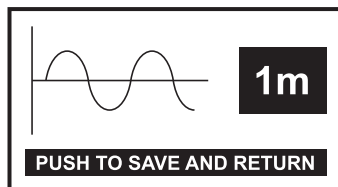
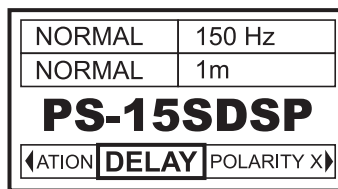
LOCATION

Turn the ENCODER to select one of the three presets, press the ENCODER to save. The options are NORMAL, CARDIOID and ENDFIRE..



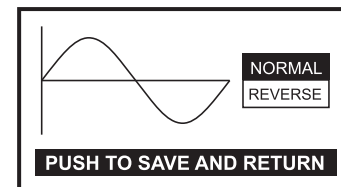
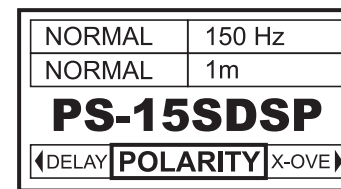
DELAY

Turn the ENCODER to select the Delay amount, between NONE and 10.5m. Press the ENCODER to save.



POLARITY

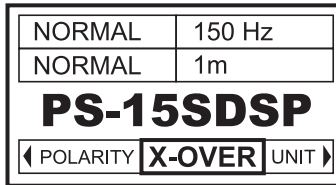
Turn the ENCODER to select one of the two Polarity options, press the ENCODER to save. The options are NORMAL and REVERSE.



15/18 Sub DSP Settings

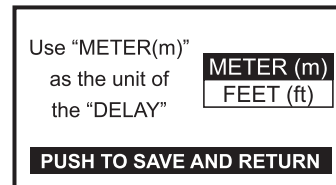
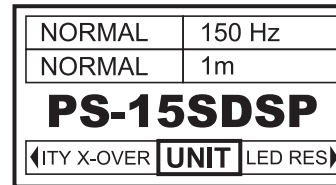
X-OVER

Turn the ENCODER to select one of the Crossover options, press the ENCODER to save. There are presets for each full range DSP speaker as well as various crossover frequencies.



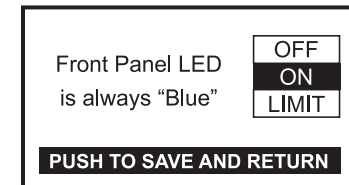
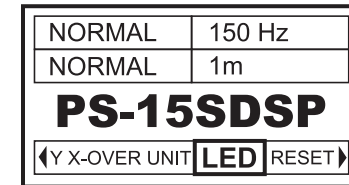
UNIT

Turn the ENCODER to select one of two units of measurement for the DELAY setting, press the ENCODER to save. The options are METER and FEET.



LED

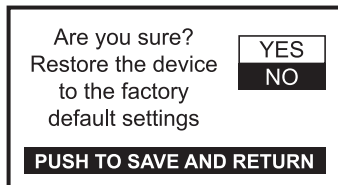
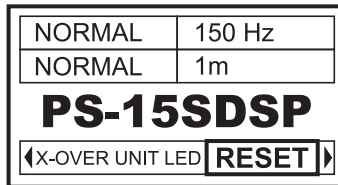
Turn the ENCODER to choose an LED setting, press the ENCODER to select. Options are OFF, ON and LIMIT. In LIMIT mode the LED will illuminate when the on board limiter is triggered.



15/18 Sub DSP Settings

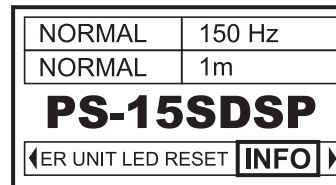
RESET

Turn the ENCODER to choose whether to reset to factory settings, press the ENCODER to select.



INFO

Press the ENCODER to show information about the product, press again to exit.



Specifications

PS-12DSP

Inputs	Combi Balanced XLR/6.35mm Jack RCA Line Input 3.5mm Jack Aux Input Bluetooth
Outputs	Balanced XLR mix output
Power Output	350W RMS 700W Peak
Power Input	220-240V 50/60Hz
Fuse	T 3.15AL, 250V
Amplification	Class D for Low Frequency driver, Class AB for High Frequency driver
Frequency Range	60Hz - 20kHz
Max SPL	123dB
Impedance	4ohm
HF Driver	1.35" CD
LF Driver	12" woofer, 2.5" VC
Flypoints	2 on top ,1 on the back
Pole Connection	35mm stand pole
Dimensions	44.5 * 43.5 * 68cm
Weight	18.6KG

PS-15DSP

Inputs	Combi Balanced XLR/6.35mm Jack RCA Line Input 3.5mm Jack Aux Input Bluetooth
Outputs	Balanced XLR mix output
Power Output	350W RMS 700W Peak
Power Input	220-240V 50/60Hz
Fuse	T 3.15AL, 250V
Amplification	Class D for Low Frequency driver, Class AB for High Frequency driver
Frequency Range	40Hz - 20kHz
Max SPL	124dB
Impedance	4ohm
HF Driver	1.35" CD
LF Driver	15" woofer, 2.5" VC
Flypoints	2 on top ,1 on the back
Pole Connection	35mm stand pole
Dimensions	50.5 * 49.5 * 79cm
Weight	23.5KG

PS-15SDSP

Inputs	2 x Combi Balanced XLR/6.35mm Jack
Outputs	2 x Balanced XLR link output
Power Output	500W RMS 1000W Peak
Power Input	220-240V 50/60Hz
Fuse	T 4AL, 250V
Amplification	Class D
Frequency Range	35Hz – 160Hz
Max SPL	126dB
Impedance	8ohm
Driver	15" woofer, 3" VC
Pole Connection	35mm stand pole
Dimensions	71 * 53 * 71 cm
Weight	36.2KG

Specifications

PS-18SDSP

Inputs	2 x Combi Balanced XLR/6.35mm Jack
Outputs	2 x Balanced XLR link output
Power Output	500W RMS 1000W Peak
Power Input	220-240V 50/60Hz
Fuse	T 4AL, 250V
Amplification	Class D
Frequency Range	35Hz – 150Hz
Max SPL	127dB
Impedance	8ohm
Driver	18" woofer, 3" VC
Pole Connection	35mm stand pole
Dimensions	75 * 61 * 76 cm
Weight	44.1KG

PS-12P

Input	2-Pole Speakon Connection
Output	2-Pole Speakon Connection
Power Output	250W RMS 500W Peak
Frequency Range	60Hz - 20kHz
Sensitivity	95dB
Impedance	8ohm
HF Driver	1.35" CD
LF Driver	12" woofer, 2.5" VC
Flypoints	2 on top, 1 on the back
Pole Connection	35mm stand pole
Dimensions	44.5 * 43.5 * 68cm
Weight	18KG

PS-15P

Input	2-Pole Speakon Connection
Output	2-Pole Speakon Connection
Power Output	250W RMS 500W Peak
Frequency Range	40Hz - 20kHz
Sensitivity	96dB
Impedance	8ohm
HF Driver	1.35" CD
LF Driver	15" woofer, 2.5" VC
Flypoints	2 on top, 1 on the back
Pole Connection	35mm stand pole
Dimensions	50.5 * 49.5 * 79cm
Weight	23KG

PS-15SP

Input 2-Pole Speakon Connection
 Output 2-Pole Speakon Connection
 Power Output 500W RMS
 1000W Peak
 Frequency Range 35Hz – 160Hz
 Sensitivity..... 96dB
 Impedance 8ohm
 Driver 15" woofer, 3" VC
 Pole Connection 35mm stand pole
 Dimensions 71 * 53 * 71 cm
 Weight 36KG

PS-18SP

Input 2-Pole Speakon Connection
 Output 2-Pole Speakon Connection
 Power Output 500W RMS
 1000W Peak
 Frequency Range 35Hz – 150Hz
 Sensitivity..... 96dB
 Impedance 8ohm
 Driver 18" woofer, 3" VC
 Pole Connection 35mm stand pole
 Dimensions 75 * 61 * 76 cm
 Weight 44KG

