



SubZero P12X Active DSP Speaker User Manual

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SubZero

**P12X Active DSP Speaker
User Manual**



**ACTIVE DSP SPEAKER
P12X | P15X
USER MANUAL**

WARNING!

Do not open the cover. No user-serviceable parts inside. Refer servicing to qualified service personnel Do not place the product in a location near a heat source such as a radiator, or in an area subject to direct sunlight, excessive dust, mechanical vibration or shock The product must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the product No naked flame sources, such as lighted candles, should be placed on the product Allow adequate air circulation and avoid obstructing vents (if present) to prevent internal heat build-up. The ventilation must not be impeded by covering the appliance with items such as newspapers, tablecloths, curtains, etc. The mains plug is used to disconnect the appliance from the mains supply. Ensure that the main outlet is easily-accessible and remove the plug from the main outlet if you notice any abnormality with the appliance.

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INTRODUCTION

Thank you for purchasing the SubZero Active DSP Speaker.

To help you get the most out of your new product, please read this manual carefully.

BOX CONTENTS

- 1 x SZS-P12X / SZS-P15X
- 1 x UK power cable
- 1 x EU power cable
- 1 x User manual

FEATURES

- Multipurpose professional PA speaker, with built-in digital sound processing.
- Three input channels – including XLR/jack, minijack, and RCA connections.
- Use on a stand or as a floor monitor, with a dual angle mounting position.
- Ideal for venues and performers hosting multiple event types.

OVERVIEW

1. MASTER CONTROL

Used to adjust the master volume. When the dial is pressed you are able to cycle through and select DSP modes in the DSP menu.

2. INPUT 1 / INPUT 2

Combination XLR / Jack input to receive a connection from a mixer or individual instrument. The controls adjust

the level of the signal coming into the speaker.

3. INPUT 3

Accepts either 1x 3.5mm mini-jack (ideal for use with phones, tablets, laptops), or 2x Unbalanced RCA inputs. Only one of these can be used at a time.

4. OUTPUT

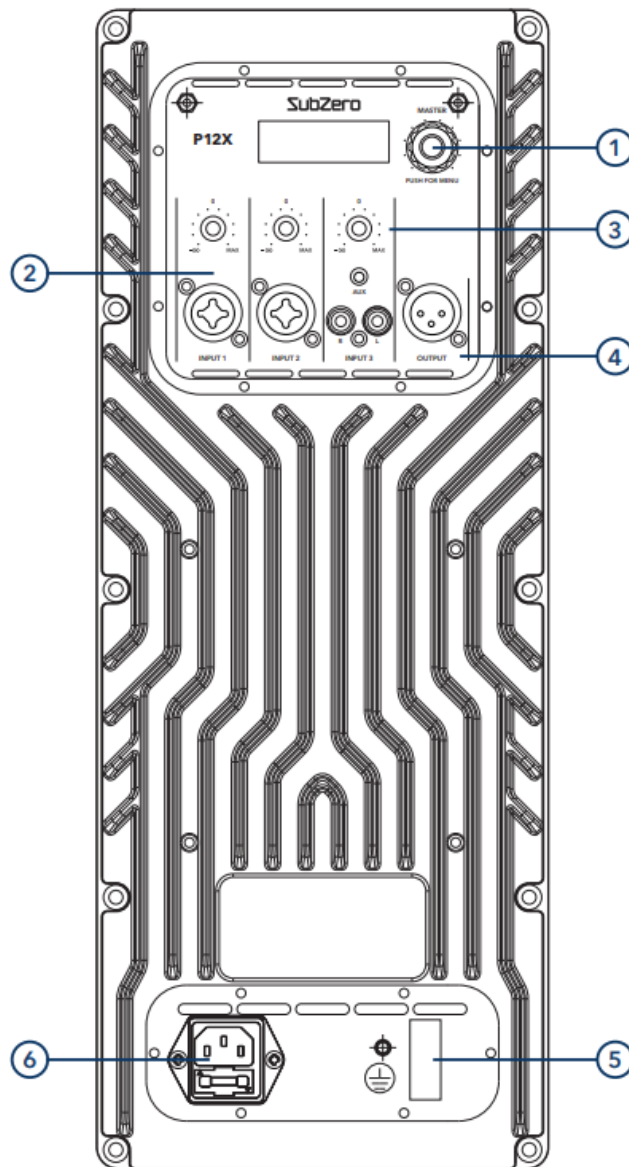
Audio signals routed from each input are sent through this output. This is a line-level signal.

5. POWER SWITCH

Used to turn the speaker ON or OFF.

6. IEC SOCKET

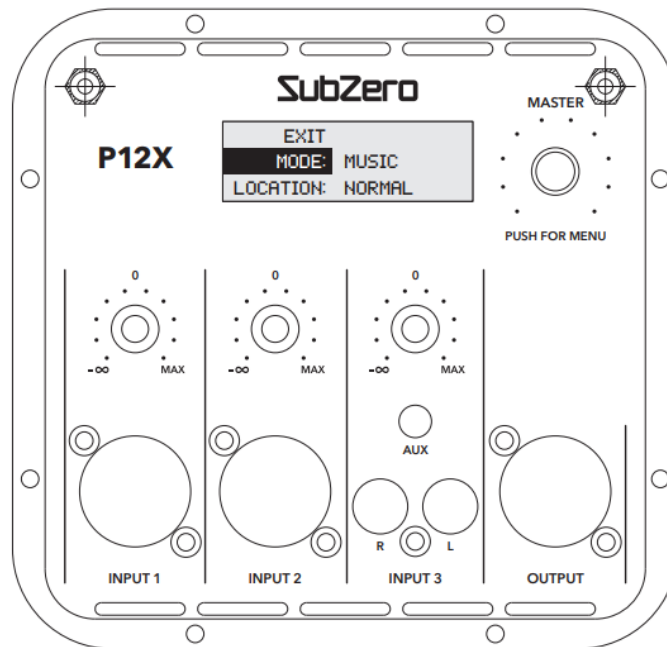
For connecting to a mains power supply using the supplied IEC power cable.



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.

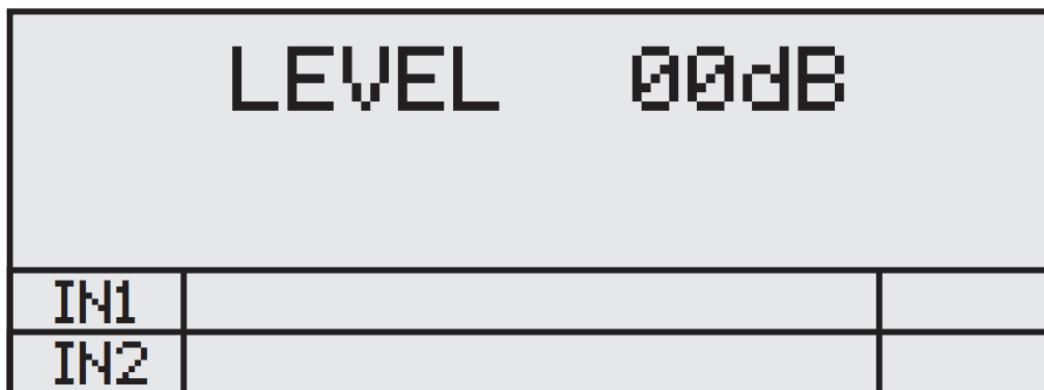
FEATURES

DSP FEATURES



DEFAULT DISPLAY

The default display (right) is shown when you are not making any adjustments. The top line shows the output volume in dB. Rotate the MASTER knob to adjust the level.



The signal levels for each of the two input channels are shown as a horizontal bar graph. 'CLIP' appears in the box at the right-hand side of the graph if the input signal level exceeds the clipping level. Reduce the input level if this happens.

USING THE MENU

Press the MASTER knob to access the DSP menu. The scroll bar at the right-hand side of the display shows the current position in the menu list. The currently selected menu item is highlighted.



Rotate the MASTER knob to scroll through the menu items. When the desired item is highlighted, press the MASTER knob to select it. The parameter value that you will be adjusting will be highlighted.

Rotate the MASTER knob to scroll through the available values then press the MASTER knob again to confirm. The highlight will then return to the current menu item.

To exit from the menu, scroll up or down to 'EXIT' and press the MASTER knob, or just wait a few seconds and the display will change back to the default screen automatically.

MENU ITEMS

LOCATION

This allows you to tailor the speaker for either professional or personal listening applications.

- Normal
- Monitor

SOUND MODES

You'll find these modes particularly useful for achieving great sounds instantly in a variety of scenarios.

- Music
- Live
- Speech
- DJ

3-BAND EQ

The equalizer enables you to tweak the sound of the speaker to accommodate the music you're listening to, as well as the listening environment for optimized results.

- High EQ (+/-12dB)
- MID EQ (+/-12dB)
- LOW EQ (+/-12dB)

LOW CUT FILTER (SUB)

Useful when using this speaker in conjunction with a separate subwoofer that will be handling the low frequencies.

- @ 80Hz
- @ 100Hz
- @ 120Hz
- @ 150Hz

LED MODE

This mode allows you to choose the function of the front-mounted LED.

- OFF LED is not illuminated.
- ON LED is illuminated when the speaker is powered on.
- LIMITER shows when the output level has exceeded the maximum limit.

LCD DIM

- OFF LCD screen remains fully illuminated.
- ON LCD screen dims slightly a few seconds after the last operation.

BRIGHT

- Adjusts display brightness in increments between 0-10.

CONTRAST

- Adjusts display contrast in increments between 0-10. Adjust for optimal viewing at different angles.

RESET

- Reset all settings to factory default. Rotate the MASTER knob to select Yes or No, then press the knob to confirm.

INFO

- Displays DSP firmware version number.

SPECIFICATIONS

SZS-P12X

Two Way, Bi-Amped, Bass Reflex Active Speaker
On-Board Digital Sound Processor

Frequency Response50Hz -19KHz
 Power Output 400W RMS / 600W Peak /1600W MAX
 SPL134dB Max
 LF 12" Woofer with 2.36" Voice Coil
 HF 1" Tweeter with 1.35" Compression Driver
 Coverage AngleH90° x V90°
 Amplifier TypeClass D (LF), Class AB (HF)
 ConnectorsInput 1 + 2 – Combi,Input 3 – Jack + RCA,
 Output –XLR
 MaterialPolypropylene Plastic
 Finish Matte Black
 Handles1 x Top, 2 x Side
 Pole Socket35mm, Dual Angle
 Dimensions405mm x 640mm x 395mm
 Weight15.5kg

SZS-P15X


Two Way, Bi-Amped, Bass Reflex Active Speaker
 On-Board Digital Sound Processor
 Frequency Response ... 45Hz -19KHz
 Power Output 450W RMS / 650W Peak /1800W MAX
 SPL 136dB Max
 LF15" Woofer with 3" Voice Coil
 HF 1" Tweeter with 1.35" Compression Driver
 Coverage Angle H90° x V90°
 Amplifier Type Class D (LF), Class AB (HF)
 Connectors Input 1 + 2 – Combi,
 Input 3 – Jack + RCA,
 Output – XLR
 Material Polypropylene Plastic
 Finish Matte Black
 Handles 1 x Top, 2 x Side
 Pole Socket 35mm, Dual Angle
 Dimensions 490mm x 740mm x 425mm
 Weight 20.5kg

KETTLESTRING LANE | YORK | YO30 4XF
 UNITED KINGDOM METALLVÄGEN 45A
 195 72 ROSERSBERG | STOCKHOLM
 SVERIGE LAHNSTRASSE 27
 45478 MÜLHEIM AN DER RUHR
 DEUTSCHLAND

If you have any more questions about this product, please do not hesitate to contact the Gear4music Customer Service

Team on +44 (0) 330 365 4444 or info@gear4music.com

Documents / Resources

	<p>SubZero P12X Active DSP Speaker [pdf] User Manual P12X, P15X, P12X Active DSP Speaker, P12X, Active DSP Speaker</p>
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References

-  [Gear4music | Musical Instruments, Equipment & Software](#)

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