

Stuudioomaster

by RSD



**USER
GUIDE**



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INTRODUCTION

Thank you for buying this Studiomaster product.

The VPX range of compact powered speakers set a new standard in looks and performance for live sound.

The VPX12 & 15 feature separate low and high frequency amplifiers, 3 band EQ (tone control) and a balanced mic/line input.

The VPX15 sub features a stereo 2 way electronic crossover and level control.

All models use premium cast chassis drivers.

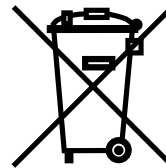
READ THE USER GUIDE

Despite the sophisticated design the VPX range is very easy to use, although to get the best from your new purchase, we recommend you read this User Guide before getting down to any serious work. It also contains important safety information as well as practical hints.

UNPACKING

Remove your Studiomaster product from its packaging and ensure that along with this User Guide you have an A.C. power cord / mains lead and a warranty card.

Retain the packing carton in the eventuality that the unit needs to be returned for service or repair, and please complete and return your warranty card. Returning the completed warranty card does not diminish your statutory rights in any way.



WEEE Mark

If you want to dispose of this product, do not mix with general household waste. There are separate collection systems for used electronic products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within the European Union.



SAFETY INSTRUCTIONS

READ THIS BEFORE YOU USE YOUR PRODUCT

1. Before connecting the A.C. power cord make sure the Voltage selector (located on the side of the unit) is set to your local supply voltage. For supplies between 220 and 240V use the 230V position. For supplies between 110 and 120V use the 115V position.
2. Only use the A.C. power cord / mains lead supplied with the product. Replace if it becomes damaged in any way.
3. Never operate without, or remove the safety ground (earth) from the A.C. power cord / mains lead.
4. Do not attempt to remove any screws or panels. There are no user serviceable parts inside.
5. Do not operate the unit next to heat sources such as radiators.
6. The unit should not be operated or stored near rain or moisture.
7. This equipment must not be exposed to dripping or splashing and no objects filled with liquids should be placed on top of it.
8. Write the serial number in the box provided in the Warranty section for future reference.
9. If the unit gets damaged, has been dropped or appears to have developed a fault refer to the Service Information section for details.

WARNING

THIS APPARATUS MUST BE EARTHED (GROUNDED)

WARNING

THESE PRODUCTS ARE CAPABLE OF VERY HIGH VOLUME LEVELS AND PROLONGED EXPOSURE CAN RESULT IN HEARING DAMAGE



Controls & Features - VPX12 & 15

1. IN : Balanced input using a professional female XLR connector.
 2. LINK OUTPUT : Can be used to link the input signal to additional VPX powered speakers. The connector type is a professional male XLR.
 3. LINE / MIC switch : Select MIC position for low impedance microphones and LINE for line level equipment like mixing consoles, CD players, keyboards etc.
 4. GAIN : This is used to match the incoming signal to the internal operating level of the VPX powered speaker.
 5. HIGH : EQ boosts or cuts the high / HF frequencies.
 6. MID : EQ boosts or cuts the mid / MF frequencies.
 7. LOW : EQ boosts or cuts the low / LF frequencies.
- Tone controls : HIGH, MID & LOW**
The controls marked HIGH, MID and LOW are very useful for changing the characteristics or tone of the sound. For simplicity or for new users set these controls to the centre position, which effectively turns off or bypasses the tone control section and you will not need to worry about these controls until you feel more confident. However to get the best out of your audio system or if you just want to experiment read on....
Adding a little HI on CDs can add brightness to the sound. For microphones increasing the MID ranges tends to 'lift' the vocal adding clarity to the voice. For microphones doing the opposite and removing a little bass helps stop the 'popping' or 'boomy' sound often apparent when a microphone is used too close to the mouth. For best results with microphones or CDs, don't be over enthusiastic with the tone controls as this can make the sound un-natural. With guitars or other instruments more extreme tone setting can be used to create more of a sound effect.

8. VOL : This control adjusts the overall volume of the VPX powered speaker.



9. AASS LEDs : Illuminate when the speaker is close to its maximum volume. The circuitry limits power to each amplifier reducing the possibility of speaker damage.
10. POWER LED : Illuminates when the VPX powered speaker is switched on. The blue LED on the front of the cabinet also illuminates.
11. GND LIFT : If after connecting a mixer or other device to the input, a low frequency hum is produced, try selecting the GND LIFT switch. This will disconnect the input ground and break the ground (hum) loop. Under no circumstances should the electrical safety ground (earth) from the mains supply be disconnected.
12. POWER : switch turns on and off the VPX powered speaker.
13. POWER CONNECTOR : The AC power connector also contains the AC power fuse.
14. VOLTAGE SELECTOR : Do not adjust this switch when the AC power cord/mains lead is connected. For supplies between 220 and 240V use the 230 position. For supplies between 110 and 120V use the 115 position.



Controls & Features - VPX15 SUB

1. IN : Balanced input using a professional female XLR connector.
2. LINK OUTPUT : Can be used to link the input signal to additional VPX powered speakers. The connector type is a professional male XLR.
3. HP FILTERED OUTPUT : Signal output with only frequencies above 100Hz. Suitable for connecting a mid/top powered speaker such as the VPX12.
4. VOL : This control adjusts the overall volume of the VPX powered speaker.
5. GND LIFT : If after connecting a mixer or other device to the input, a low frequency hum is produced, try selecting the GND LIFT switch. This will disconnect the input ground and break the ground (hum) loop. Under no circumstances should the electrical safety ground (earth) from the mains supply be disconnected.
6. POWER LED : Illuminates when the VPX powered speaker is switched on. The blue LED on the front of the cabinet also illuminates.
7. POWER : switch turns on and off the VPX powered speaker.
8. POWER CONNECTOR : The AC power connector also contains the AC power fuse.
9. VOLTAGE SELECTOR : Do not adjust this switch when the AC power cord/mains lead is connected. For supplies between 220 and 240V use the 230 position. For supplies between 110 and 120V use the 115 position.
10. AASS LEDs : Illuminate when the speaker is close to its maximum volume. The circuitry limits power to each amplifier reducing the possibility of speaker damage.



APPLICATIONS

HINTS & TIPS

1. Using the VPX12 & 15 with a mixer

Connect the mixer to the XLR input and set the LINE/MIC switch to the LINE position. Set the GAIN, EQ and VOLUME controls to the centre (12 o'clock) position and make all volume and tone adjustment on the mixer.

2. Using the VPX15 sub with a VPX12 or 15

Connect the stereo output of the mixer or sound source to the VPX15 sub input XLR. Now connect the HP FILTERED OUTPUT to the XLR input on the VPX12 or 15. Turn the VOL control on the VPX15 sub to minimum (fully anti-clockwise). Follow the set up in section 1 above. Now play a set up CD or other suitable material and turn up the volume of the mixer until the required volume is reached. Note the significant lack of bass. Slowly turn the VOL control on the VPX15 sub until the bass volume matches the mid and treble sound levels coming from the VPX12 or 15.

3. Speaker stand / pole mounting

The VPX12 & 15 are ideal for mounting on suitable 35mm stands. The VPX15 sub also has a 35mm socket so that a short pole can be fitted and a VPX12 mounted on it.

WARNING : A VPX15 should not be mounted on to a pole into a VPX15 sub. Due to the size and weight, it could become unstable and be easily knocked over.



TECHNICAL SPECIFICATION

FACTS & FIGURES

	VPX12	VPX15	VPX15 sub
Output Power (music)	300W	400W	600W
Frequency Response	45Hz - 18kHz	40Hz - 18kHz	39Hz - 110Hz
Maximum SPL	121dB	122dB	126dB
Crossover frequency	2.5kHz	2.5kHz	100Hz
HF Amplifier (music)	50W	100W	
LF Amplifier (music)	250W	300W	600W
Low frequency driver	12" cast chassis	15" cast chassis	15" cast chassis
Compression driver	1.75" diaphragm	1.75" diaphragm	
Nominal dispersion (H x V)	90 x 40 degree	90 x 40 degree	
HIGH EQ	+/-15dB @ 12.5kHz	+/-15dB @ 12.5kHz	
MID EQ	+/-12dB @ 2.5kHz	+/-12dB @ 2.5kHz	
LOW EQ	+/-15dB @ 60Hz	+/-15dB @ 60Hz	
Power Supply (all models)	230V range : +/-10% ~50/60Hz		115V range : +/-10% ~50/60Hz
Size (w x h x d)	330 (13") x 630 (24.8") x 410mm (16.1")	365 (14.4") x 720 (28.3") x 495mm (19.5")	570 (22.4") x 630 (24.8") x 515mm (20.3")
Weight (net)	21kg (46.2lb)	22kg (48.4lb)	25kg (55lb)
Weight (shipping)	25kg (55lb)	26kg (57.2lb)	29kg (63.8lb)

EXPECT THE BEST



WARRANTY

ARE YOU COVERED?

The Manufacturer warrants all Studiomaster products to be free from defects in materials and workmanship for a period of one year from date of purchase. The Manufacturer reserves the right to the final decision on all warranty claims.

Exclusions to Warranty Cover

Damage caused by accident, misuse, improper installation or neglect.

Damage caused by repair, modification or service by persons not authorised by Studiomaster.

Products on which the serial number has been defaced, altered or removed.

Who is Protected

This warranty is enforceable by the original purchaser and any subsequent owner(s) during the warranty period, providing a

copy of the original sales receipt is submitted whenever a warranty service is required.

It is recommended that you complete and mail the Warranty Registration Card supplied with your product.

For your reference in the event of a warranty or service repair, please complete the following information and attach a copy of your original sales receipt.

Model : _____

Serial Number : _____

Purchase Date : _____

Purchased From : _____

Note : THIS WARRANTY DOES NOT AFFECT YOUR
STATUTORY RIGHTS



SERVICE INFORMATION

HOW TO GET MY PRODUCT REPAIRED

If you have a problem with your Studiomaster product or think it has developed a fault you should first carefully check the Trouble Shooting section in this guide. If this does not solve the problem or if the product is physically damaged, contact your local dealer or distributor for service details.

Should it be recommended you return the product to your nearest Studiomaster Service Centre you must first contact them.

You will be asked for the product type and serial number. You will then be given a Returns Authorisation (RA) number.

Pack the unit in its original carton to protect it from shipping damage.

You must have the Returns Authorisation number clearly marked on the outside of the carton or we may refuse the delivery. Studiomaster cannot be held responsible for damage resulting from the equipment being packed incorrectly.

Label the equipment clearly with your name and address and include a clear description of the fault. The more information you supply helps the service engineer, minimising repair cost when out of warranty.

Important : No liability will be accepted by Studiomaster for any transit damage to units not returned in their original packing, for warranty repairs or otherwise.

In Accordance with our progressive product development, Studiomaster / Recording Studio Design reserve the right to change features and specifications without prior notice.

EXPECT THE BEST



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