

POWERSTAGE
XPANDER
100

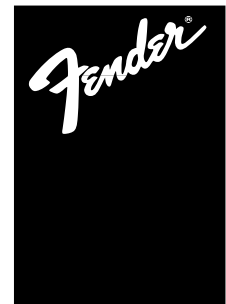
POWERED MONITORS

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From Fender Pro Audio

Owner's Manual for
PowerStage Xpander 100

P/N 051199
REV B



POWERSTAGE XPANDER 100

PROFESSIONAL POWERED MONITOR SYSTEM

INTRODUCTION

1/4 inch Phone Input Jack

Coaxial Speaker System

Tough Metal Grille

Carpet Covered Cabinet with Three Angles of Orientation 45°, 25° and 0°

The PowerStage Xpander 100 is the companion unit designed to accompany the PowerStage 100. We are sure you will find the PowerStage Xpander 100 to be both a unique and effective sound reinforcement product, providing years of trouble-free service.

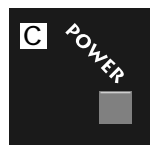
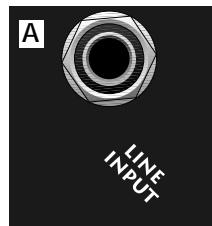
Enclosed in a quasi-trapezoidal floor monitor style cabinet, the PowerStage Xpander 100 includes a 100 watt power amp, a power supply and a full-range coaxial speaker system. With three angles of orientation, your PowerStage Xpander 100 is ideally suited for use as either a small PA system or to compliment your monitoring needs.

WARNING:

- TO REDUCE THE RISK OF FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- NO USER SERVICEABLE PARTS INSIDE, REFER SERVICING TO QUALIFIED PERSONAL ONLY.
- THIS UNIT MUST BE EARTH GROUNDED.

XPANDER PANEL FUNCTIONS

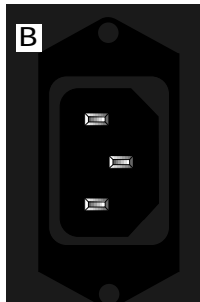
A. LINE INPUT - A 1/4 inch TRS unbalanced input jack designed to receive a line level signal from the PowerStage 100. Before plugging or unplugging any cord into the line input, make sure the PowerStage Xpander 100 is off.



C. POWER LED - This LED illuminates when the PowerStage Xpander 100 is on.



D. POWER SWITCH - Turns the AC power ON and OFF. When the switch is in the OFF position, the PowerStage Xpander 100 is completely shut down.



B. SUPPLY CORD JACK - The supply cord connects here. This is a grounding type supply cord to reduce the possibility of shock hazard. Be sure to connect it to a grounded receptacle. **DO NOT ALTER THE AC PLUG.**

SETTING UP THE PS XPANDER 100



Before using the PowerStage Xpander 100, please read and follow the steps listed below:

1. Heed all safety warnings when operating the PowerStage Xpander 100.
2. Make sure the power switch is in the OFF position.
3. Plug the female end of the supply cord into the supply cord jack (item B previous page) of the PowerStage Xpander 100. Next, plug the supply cord into a power source with the correct voltage.
4. Connect the cord from the PowerStage 100's line output jack to the line input jack of the PowerStage Xpander 100.
5. First turn the PowerStage Xpander 100 ON, then the PowerStage 100.
6. Adjust volume levels on the PowerStage 100 to the appropriate levels, listening for feedback or other ringing.
7. If feedback is encountered, rotate the appropriate (LOW or HIGH band) frequency notch filter control on the PowerStage 100 down to its lowest position. Next, **slowly** turn the frequency control knob to pinpoint the location of the problem frequency and cancel it.
8. Steps 6 and 7 may need to be performed more than once if several feedback problems occur.

CARPET COVERING CARE



The PowerStage Xpander 100 is covered in a tough, soil resistant synthetic indoor/outdoor carpet for long life and lasting good looks. To clean the carpeted cabinet, use a brush to wipe away any smudges or dirt. For stubborn stains, a sponge with a light soapy solution may be used. Avoid spilling liquids on the operating surface, heat sink, grille, volume and tone controls, switches and speakers. ALWAYS unplug the PowerStage Xpander 100 before cleaning it and wait until it has dried before plugging in the PowerStage Xpander 100.

GROUNDING AND HUMS



Ground loops are probably the most common cause of hum and buzz in sound reinforcement systems and other audio products. A ground loop usually occurs if the separate pieces of equipment are plugged into different AC circuits. Also, if the audio wiring is placed too close to the power cords, hums or buzzes can also bleed into the system. Still, improperly maintained power and audio cables are yet another cause of bothersome noise. In order to help minimize stray hums and buzzes, here are some helpful hints.

1. Keep all electronics connected to the sound system on the same electrical circuit.
2. Keep audio signals cables away from the AC power cords.
3. Use balanced cables when applicable.
4. Always plug the PowerStage Xpander 100 into a grounded AC electrical outlet.
5. Be sure to use properly maintained cords and cables with the PowerStage Xpander 100.

TROUBLESHOOTING



If the PowerStage 100 is set up but does not function, please check the following items:

- Is the PowerStage Xpander 100 power cord properly plugged into an electrical outlet?
- Is the power cord properly plugged into the PowerStage Xpander 100's supply cord jack?
- Is there power at the outlet?
- Does PowerStage 100 have power?
- Are the volume control knobs on the Power Stage 100 turned above the MIN position?
- Is the Power Stage 100 properly plugged into the PowerStage Xpander 100?
- Is the mic/instrument turned on?
- Are your audio cables frayed, cut or damaged?

If after checking all of the above the PowerStage Xpander 100 is still not performing correctly, consult your authorized Fender Service Center.

SPECIFICATIONS

DESIGNATION TYPE	PR 306
PART NUMBER	071-0101-000 (120 V) 071-0101-030 (240 V) Aust 071-0101-040 (230 V) UK 071-0101-060 (230 V) Euro
POWER SPECIFICATION	120 V version: 120 VAC, 60 Hz 360 W 230 V version: 230 VAC, 50 Hz 360 W 240 V version: 240 VAC, 50 Hz 360 W
POWER AMP	Nominal Power 100 W into 8 Ω , <0.05% THD+Noise @ 1kHz Maximum Power 108 W into 8 Ω , <0.1% THD+Noise @ 1 kHz Frequency Response +0 dB, -3 dB 20 Hz to 40 kHz @ Nominal Power THD + Noise <0.05% @ 1 kHz, 100 W into 8 Ω Output Impedance 0.2 Ω @ 1 kHz, 0.02 Ω @ 100 Hz Input Sensitivity 1 V RMS, 0 dBV
DIMENSIONS (At 25°)	Height: 18 in 45.7 cm Width: 23.5 in 59.7 cm Depth: 12 in 30.5 cm Weight: 41 lbs 18.6 kg



Product specifications are subject to change without notice.

A PRODUCT OF:
FENDER® MUSICAL INSTRUMENTS CORP.
CORONA, CA 91720 USA