QUICK START

322 DSP Engine

Symetrix

What Ships in the Box

☑ The 322 hardware unit

☑ 322 Designer CD-ROM (Windows)

☑ One PS-3 (117 VAC), PS-3E (230 VAC), or PS-3J (100 VAC) power supply

☑ This Quick Start

What you'll need to set up the 322

☑ A Windows PC with 233MHz or higher Pentium **and**:

- WIN 98SE, WIN ME, or WIN 2000.
- 5MB free storage space
- 1024x768 graphics capability
- 16 bit or higher colors
- CD ROM drive or Internet connection
- 32MB RAM or more as required by your operating system

☑ A cable to connect the RS-232 serial port of your PC to the 322's RS-232 input. The 322's RS-232 input is a female DB9 connector.

Getting Help

322 Designer, the Windows application that controls the 322 hardware includes a help file which acts as a complete user's guide for both hardware and software.

If you have questions beyond the scope of the help file, contact our Technical Services Group in the following ways:

Tel   (425) 778-7728

8:00 am to 4:30 pm Monday through Friday, Pacific Time

Fax   (425) 778-7727

Email tech@symetrixaudio.com

Web   www.symetrixaudio.com

Operator Safety Summary

Follow all warnings and instructions. Install in accordance with the manufacturer's instructions.

Power Source. This product is intended to operate from a Symetrix PS-3, PS-3E, or PS-3J power supply only.

Grounding. The chassis of this product is grounded through the grounding conductor of the PS-3, PS-3E, or PS-3J power cord. To avoid electric shock, plug the power cord into a properly wired receptacle before making any connections to the product. A protective ground connection, by way of the grounding conductor in the power cord, is essential for safe operation. Do not defeat the safety purpose of the grounding plug. The three-pronged grounded plug is provided for your safety. When the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Danger from Loss of Ground. If the protective ground connection is lost, all accessible conductive parts, including knobs and controls that may appear to be insulated, can render an electric shock.

Proper Power Cord. Use only the power cord and connector specified for the product and your operating locale. Use only a cord that is in good condition. Protect the power cord from being walked on or pinched, particularly at the plug, convenience receptacle, and the point where the cord exits from the apparatus.

Operating Location. Do not operate this equipment under any of the following conditions: explosive atmospheres, in wet locations, in inclement weather, improper or unknown AC mains voltage, or if improperly fused. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Unplug this apparatus during lightning storms or when unused for long periods of time.
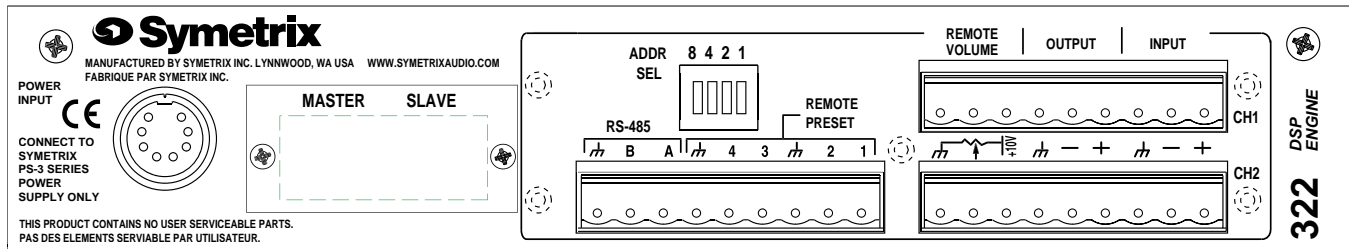
Stay Out of the Box. To avoid personal injury (or worse), do not remove the product covers or panels. Do not operate the product without the covers and panels properly installed. Only use accessories specified by the manufacturer. Clean only with a damp cloth.

User Serviceable Parts. There are no user serviceable parts inside the 322 DSP Engine. In case of failure, refer all servicing to the factory. Servicing is required when the 322 has been damaged in any way, such as when a power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

CAUTION

To prevent electric shock, do not use the polarized plug supplied with the unit with any extension cord, receptacle, or other outlet unless the prongs can be fully inserted.

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Hardware Connections and Switch Settings

CONNECTION	CONNECTOR OR CONTROL TYPE	WHAT IT DOES
POWER INPUT	7-pin DIN female	Accepts power only from Symetrix PS-3, PS-3E, or PS-3J power supply.
INPUT	Detachable Euroblock	Channel 1 and Channel 2 line level incoming audio, 20k ohm balanced bridging. If connecting to unbalanced sources, see HELP file section on Input and Output Connector Wiring.
OUTPUT	Detachable Euroblock	Channel 1 and Channel 2 balanced outputs. If connecting to unbalanced inputs, see HELP file section on Input and Output Connector Wiring.
REMOTE VOLUME	Detachable Euroblock	Two inputs for remote control configurable via 322 Designer software. Control from 10-50K linear potentiometers or 0-10 volt DC sources.
REMOTE PRESET	Detachable Euroblock	Momentarily grounding any 1 of these 4 connectors causes the 322 to load and execute that preset program.
RS-485	Detachable Euroblock	Serial data port connects to remote controllers such as Crestron or AMX to control up to 15 322's. See HELP file for wiring details.
ADDR SEL	4 pin DIP switch	Address selector 4 position DIP switch. Determines the device address for this 322. Each 322 in a controlled chain must have a unique address. See HELP file for switch setting details. *Note: All switches down disables 232 and 485 communications!*
RS-232	DB9 Female (front panel)	Receives RS-232 control and programming signals from host computer.

NOTE

Detachable Euroblock connectors are designed for use with bare wire.
Do not tin stranded wires before inserting them into the connectors.

322 Designer Installation

FROM THE INTERNET (This is the recommended method. Our website always has the latest release of 322 Designer and it is free.)	1. Download 322 Designer from www.symetrixaudio.com. 2. Unzip the downloaded file. 3. From the Windows START button, RUN the SETUP program and follow the instructions.
FROM THE 322 Designer CD ROM	1. The software should AUTORUN after you insert the CD-ROM. 2. If the software does not AUTORUN, then Click on the Windows START button, RUN e:\SETUP where e=your CD-ROM drive letter.