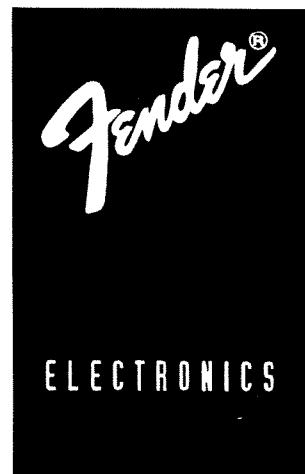


Fender®

SPL 1211 MK II Owner's Manual

ELECTRONICS
we create the future

P/N 048325



The SPL-1211 Mk.II model is a full range loudspeaker system designed for professional service. It was created to provide an efficient, full range system, with wide response, low distortion, and controlled directivity.

Product Features

Only the finest components have been utilized to provide years of trouble-free performance. Quality features include a woofer with an alloy die cast frame, FOURTEEN AND ONE HALF POUND motor structure, and a 3-inch voice coil employing a polyimide KAPTON coil form.

The high frequency compression driver has been constructed using a polyimide KAPTON voice coil form coupled to a titanium diaphragm, employing a circumferential ring "phasing plug". Our custom designed horn with its special "vertically aligned" airfoils has been optimized to provide the best possible performance while providing accurately controlled dispersion.

The BI-AMP ready crossover network employs 18dB per octave filters for accurate summation of the low and high frequency drivers. Two input jacks are provided and double as high and low inputs if set in the EXTERNAL mode, or as parallel inputs while set in the INTERNAL mode.

Cabinet construction is rectangular, made from 3/4-inch plywood with sturdy dado joinery. Sound absorptive insulation is used to suppress internal reflections. The rugged covering will withstand the rigors of "tour" service and maintain its good looks.

Setup Procedure

For best performance, placement is important. If the system is placed near a flat wall, bass performance will be reinforced by about six decibels. This means that for applications where feedback will not be a concern (keyboard or drum synthesizer service), place the speaker systems near the rear wall of the stage, elevated above equipment that may be on stage. Where feedback is a problem (vocal microphones and the like), place the speakers in front of the microphones, near the front of the stage.

For multiple system operation, keep the high frequency sections near one another and angle the systems (see figure 1). In this way, the two systems can provide nearly 150 degrees of horizontal coverage.

Connect the amplifier to the loudspeaker with a

minimum 14 gauge wire, when a length of up to 100 feet is used. Where multiple systems are to be "DAISY CHAINED" together (see figure 2), or where longer cable runs will be encountered, consider using larger gauge wire (smaller number). A rule of thumb is to subtract 3 from the wire gauge each time the number of systems doubles or where the cable length doubles. As an example, for a 200 foot run, use 11 gauge wire. For a 100 foot run to a pair of speakers, also use 11 gauge wire. For a 200 foot run two systems, use two separate 11 gauge cables. If too small a gauge of wire is used, no harm or hazard will result, but "sound quality" and level may be degraded.

We suggest the use of the SWITCHCRAFT Z15P plug on the cable ends if the wire is heavier (smaller number) than 14 gauge .

When operating in the BI-AMP or "external" mode, use an electronic crossover with a third order BUTTERWORTH (18dB per octave) slope. Set the "crossover frequency" to 1200Hz, and set the High and Low level controls equally. Equalization and attenuation for the high frequency driver is left in place while set in the "external" mode.

Specifications **System Type**

Two way, vented baffle low frequency section, and a horn loaded high frequency section.

Woofer

Single 15-inch Fender SPL driver with 3-inch voice coil, employing polyimide KAPTON voice coil bobbin and cast alloy frame.

High Frequency

Fender designed and manufactured horn with 40 x 90 degree radiation angle. Special Fender designed 2-inch driver featuring TITANIUM diaphragm and circumferential ring phasing plug.

Crossover

Third order BUTTERWORTH set to 1200 Hz. Rear panel switch is provided to allow BI-AMP ready capability. Two inputs allow "DAISY-CHAIN" operation of multiple systems with the internal crossover, or HIGH-LOW inputs when used with an external (user supplied) active crossover.

Cabinet

All 3/4-inch PLYWOOD construction with rectangular shape and rugged covering.

SPECIFICATIONS

Performance	SPL 1211 Mk.II
Frequency Response	50 Hz - 20 kHz (half space)
Rated Impedance	8 ohms
Sensitivity	100 dB, 1 Meter 1 Watt
Vertical Radiation Angle	40 Degrees @ 5 kHz
Horizontal Radiation Angle	90 Degrees @ 5 kHz
Crossover Frequency	1200 Hz
Power Rating	150 Watts per E.I.A. RS426

figure 1

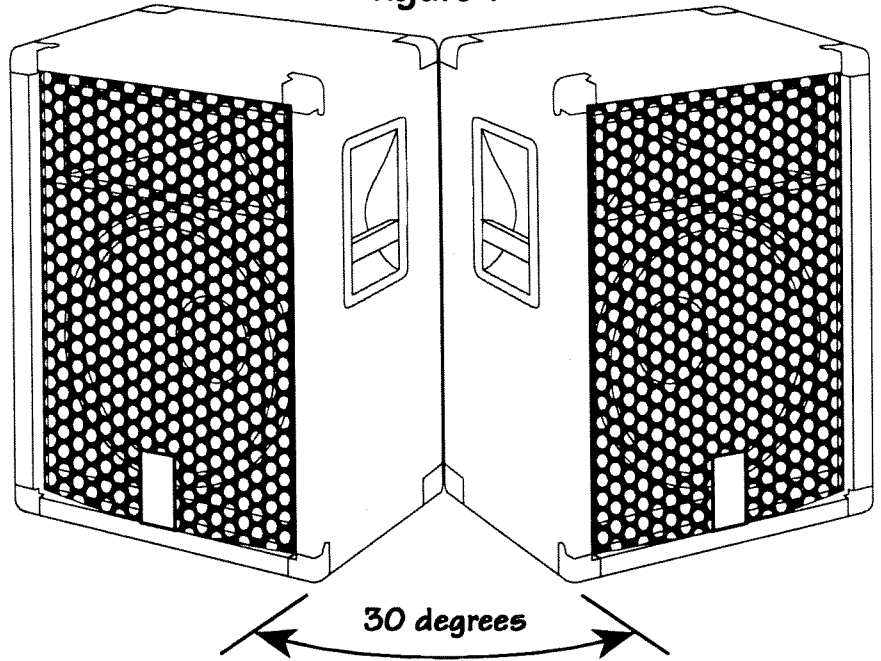
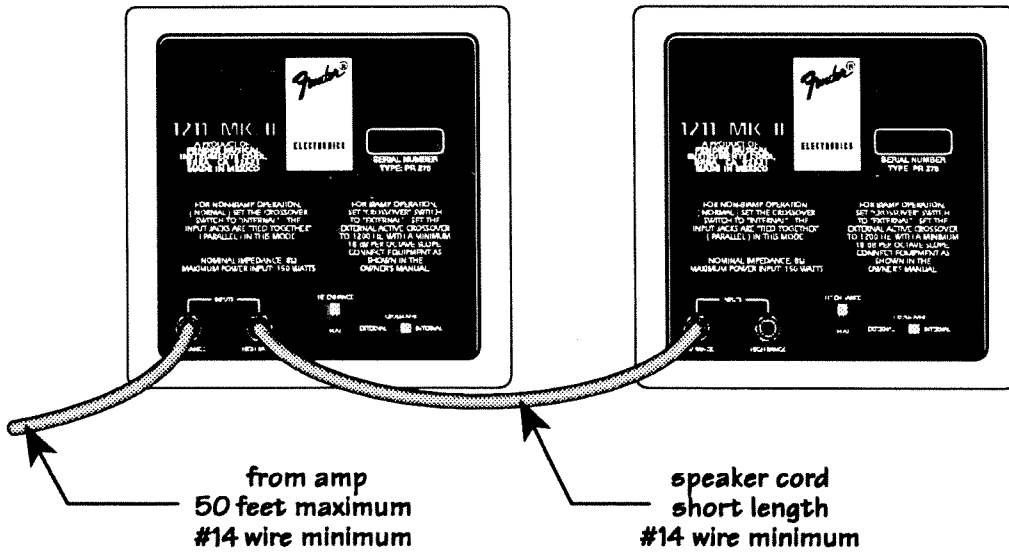


figure 2
"daisy chain connection"



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