

Fender[®]

SPL 1272A / 1275A Owner's Manual

ELECTRONICS
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P/N 048762

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ELECTRONICS

The 1272A and 1275A models are full range stage monitor loudspeaker systems designed for professional service. They were created to provide efficient, full range monitor systems 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 heavy steel frame, NINE POUND motor structure, and a voice coil employing a polyimide KAPTON coil form.

The two high frequency compression drivers feature piezoelectric transducer elements. Our custom designed horn with its dual throat construction assures accurate summation of the two drivers to provide the best possible performance while assuring accurately controlled dispersion.

Cabinet construction allows for 30 or 60 degree tilt, or vertical orientation for side fill use. The rugged covering over 3/4-inch wood will withstand the rigors of "tour" service and maintain its good looks.

A level control has been provided so that multiple monitors may be used with one power amplifier, yet allow level setting as needed.

Setup Procedure

CAUTION! OPERATING WITH LARGE AMPLIFIERS (GREATER THAN 150 WATTS AT 4 OHMS) WITH THE LEVEL CONTROL AT LESS THAN "3" MAY LEAD TO OVERHEATING AND DAMAGE TO THE LEVEL CONTROL.

When using a stage monitor system, reduction of feedback is probably the most important criteria. The best way to reduce feedback is to use a CARDIOID PATTERN microphone with its rear aimed at the loudspeaker. Be sure that you don't cover the side or top slots of the microphone with your hands. These openings are designed to cause the microphone to be relatively insensitive to sounds arriving from the microphone's rear.

Select 30 or 60 degree tilt (see figure 1) based upon the working distance that you will need. As an example, tilt the speaker 30 degrees from vertical for performers who require a greater working distance so that they move about the stage on axis with the monitor. Choose 60 degree tilt for short working distance, where the performer is not expected to move about the stage.

Where large movements are expected, use as side fill monitors (see figure 2) so that wide horizontal cover-

age will be provided. When in the side fill position, it may be advantageous to elevate the speaker from the floor to keep the high frequency horn aimed at the player's ear level.

The side fill position at about 10 to 15 feet from the performer is particularly useful for drummers and keyboardists so their nearby equipment does not block the sound from the monitor. When in the side fill position, the drummer's/keyboardist's vocal microphone can be positioned to his/her side, allowing the rear of the microphone to face the front of the monitor, thus minimizing feedback.

Connect the amplifier to the loudspeaker with minimum 14 gauge wire, when a length of no more than 100 feet is used. Where multiple systems are to be "DAISY CHAINED" together (see figure 3), or where longer cable runs will be encountered, consider using large 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 to 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 plugs on the cable ends if the wire is heavier (smaller number) than 14 gauge.

SPECIFICATIONS

System Type

Two way, sealed baffle low frequency section, horn loaded high frequency section.

Woofer

1272A – Single 12-inch driver with 2-inch voice coil, employing polyimide KAPTON voice coil bobbin, and rigid steel frame.

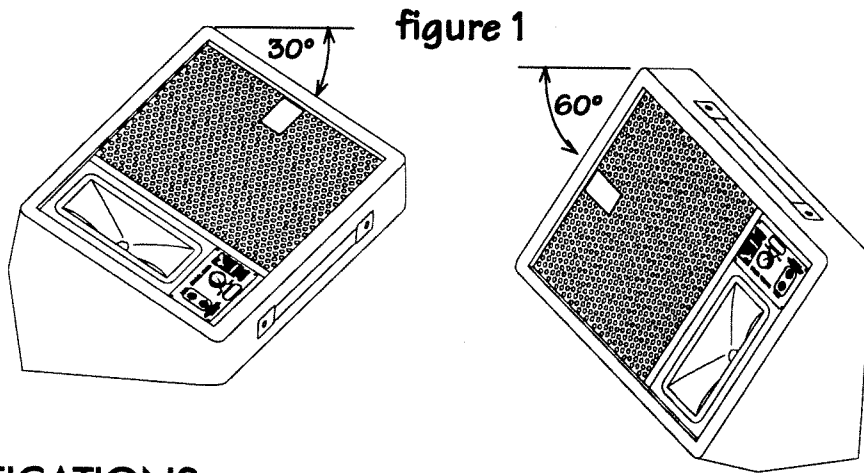
1275A – Single 15-inch driver with 2.5-inch voice coil, employing polyimide KAPTON voice coil bobbin, and rigid steel frame.

High Frequency

Fender designed and manufactured horn with 70 x 35 degree radiation angle and dual piezoelectric drivers.

Cabinet

ALL WOOD construction with multiple angle shape, sturdy joinery, and rugged covering.



SPECIFICATIONS

Performance	1272A	1275A
Frequency Response	60 Hz - 20 kHz ±6dB (half space)	50 Hz - 20 kHz ±6dB (half space)
Rated Impedance	16 Ω	16 Ω
Sensitivity	95 dB, 1 Meter 1 Watt	95 dB, 1 Meter 1 Watt
Vertical Radiation Angle	70 Degrees @ 5 KHz	70 Degrees @ 5 KHz
Horizontal Radiation Angle	35 Degrees @ 5 kHz	35 Degrees @ 5 kHz
Power Rating	100 Watts per E.I.A. RS426	100 Watts per E.I.A. RS426

figure 2

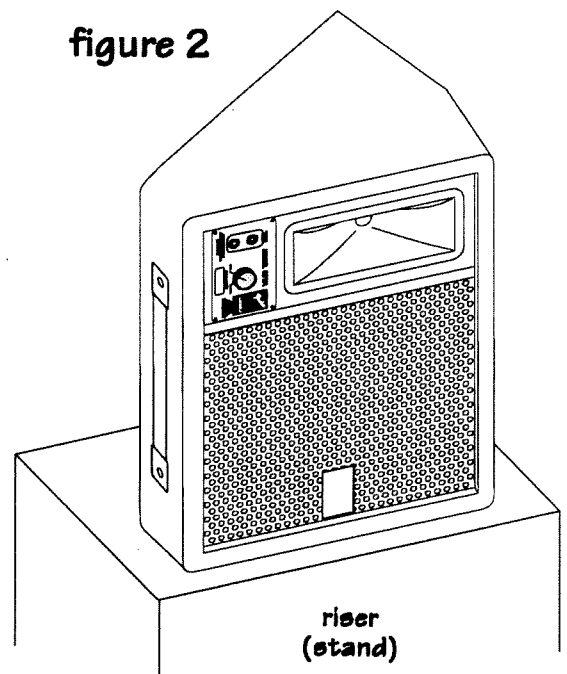
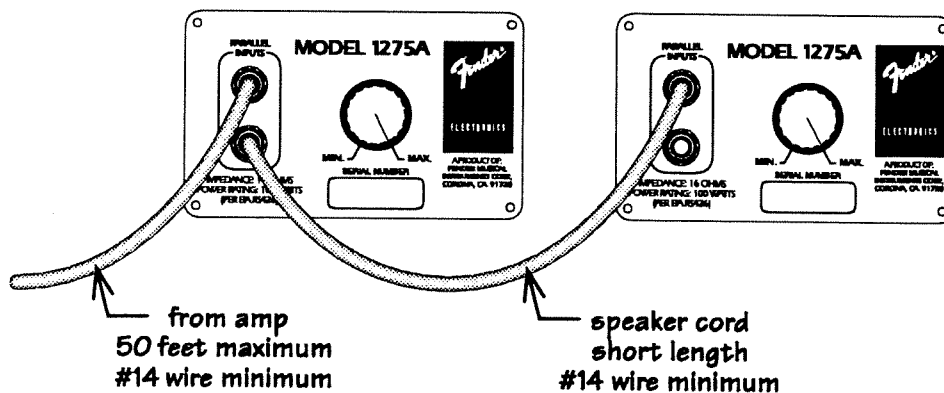


figure 3



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