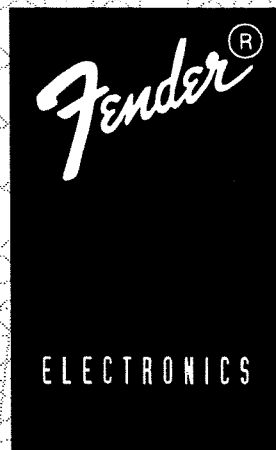


1110A,
110-ELC,
1201A,
112-ELC,
1205A,
115-ELC

Owner's Manual

we create the future

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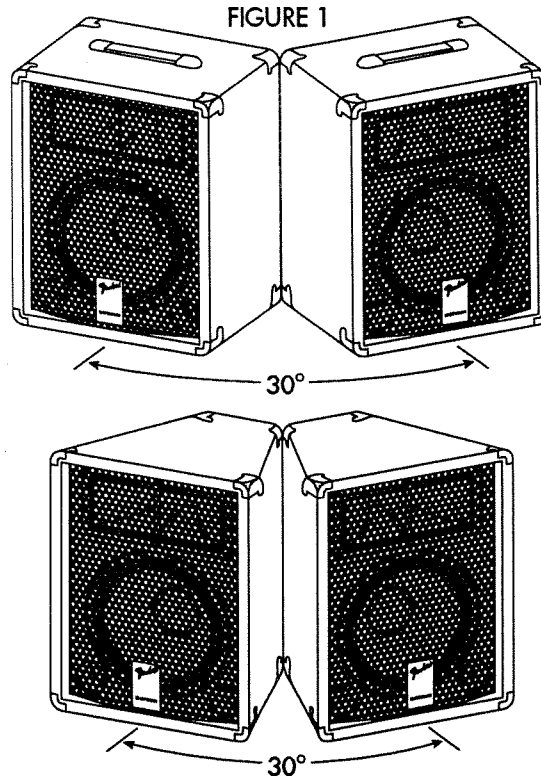
ONICS

OWNERS MANUAL FOR 1110A, 110-ELC, 1201A, 112-ELC, 1205A & 115-ELC

The 1110A, 110-ELC, 1201A, 112-ELC, 1205A and 115-ELC models are full range loudspeaker systems designed for professional service. They were created to provide efficient, full range 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 manufactured with a heavy steel frame, NINE POUND motor structure and a voice coil employing polyimide KAPTON coil form. Two parallel inputs are provided so that multiple systems may be used with their inputs "DAISY CHAINED" together. Cabinet construction employs all wood materials and heavy-duty joinery. The rugged carpet and tolex covering over 3/4-inch stock 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.

For multiple system operation, keep the high frequency sections near one another and angle the systems horizontally

as required. In this way, two systems can provide nearly 150 degrees of horizontal coverage, see figure 1.

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, 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. 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 SWITCHCRAFT Z15P plugs on the cable ends if the wire is heavier than 14 gauge (smaller number).

Speaker Stand Warning

Note: A heavy speaker on a speaker stand can cause serious injury if it falls on someone. Please use common sense and follow these precautions:

1. Only use speaker stands with a 1-1/2" OD pipe rated for the full weight of the speaker. Make sure the pipe is fully inserted into stand adapter.
2. Use stands only on a flat, level surface.
3. Keep all types of traffic away from stands at all time.
4. Before placing speakers on stands, check to see that the stand adapter is not cracked, broken or loose in the cabinet. If so, do not use with a stand.
5. Do not wrap speaker cable around the base of stand. Do not route speaker wire where it can catch foot traffic. Route wires overhead or secure to floor with tape.

Parallel Operation

The typical application will use multiple speakers connected in parallel to one amplifier. This is best accomplished by "DAISY CHAIN" connection at the input jacks, see figure 2.

Specifications

Cabinet Type -

110-ELC, 112-ELC and 115-ELC
Trapezoidal cabinet covered in black carpet.

1110A, 1201A and 1205A
Rectangular cabinet covered in black vinyl.

System Type -

1110A and 110-ELC, 1201A and 112-ELC
Two way, vented baffle low frequency section, horn loaded high frequency section.

1205A and 115-ELC
Two way, sealed baffle low frequency section, horn loaded high frequency section.

Woofers -

1110A and 110-ELC
Single 10-inch driver (Fender PN 037655) with 2-inch voice coil,

employing polyimide KAPTON voice coil bobbin and rigid steel frame.

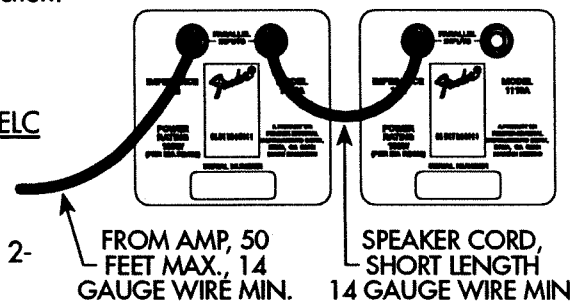
1201A and 112-ELC
Single 12-inch driver (Fender PN 026598) with 2-inch voice coil, employing polyimide KAPTON voice coil bobbin and rigid steel frame.

1205A and 115-ELC
Single 15-inch driver (Fender PN 026600) with 2.5-inch voice coil, employing polyimide KAPTON voice coil bobbin and rigid steel frame.

High Frequency - ALL MODELS

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

FIGURE 2
"DAISY CHAIN CONNECTION"



Performance	1110A/110-ELC	1201A/112-ELC	1205A/115-ELC
Frequency Response	65Hz - 20KHz ±6dB (half space)	60Hz - 20KHz ±6dB (half space)	60Hz - 20KHz ±6dB (half space)
Rated Impedance	1110A/16 Ohms 110-ELC/8 Ohms	8 Ohms	8 Ohms
Sensitivity	94 dB, 1 Meter 1 Watt	95 dB, 1 Meter 1 Watt	95 dB, 1 Meter 1 Watt
Vertical Radiation Angle	35 Degree @ 5KHz	35 Degree @ 5KHz	35 Degree @ 5KHz
Horizontal Radiation Angle	70 Degree @ 5KHz	70 Degree @ 5KHz	70 Degree @ 5KHz
Power Rating	100 Watts per E.I.A. RS426	100 Watts per E.I.A. RS426	150 Watts per E.I.A. RS426

A PRODUCT OF:
FENDER MUSICAL INSTRUMENTS CORP.,
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