Speaker Systems

1201

1205

1212

1215



The 1201, 1205, 1212, and 1215 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 with heavy steel frame, NINE POUND motor structure and a voice coil employing a polyimide KAPTON coil form.

1201 and 1205

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.

1212 and 1215

The high frequency compression driver features electrodynamic design and a linen/phenolic diaphragm.

Two parallel inputs are provided so that multiple systems may be used with their inputs "DAISY CHAINED" together.

Cabinet construction employs all wood materials. The rugged carpet 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 application 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 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 subract "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 SWITCH-CRAFT 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 pipe inserts into stand adapter fully.
- 2. Use stands only on a flat, level surface.
- 3. Keep all types of traffic away from stands at all times.
- 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.

5. Do not wrap speaker cable around 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

System Type

1201 and 1212

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

1205 and 1215

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

Woofer

1201 and 1212

Single 12-inch driver with 2-inch voice coil, employing polymide KAPTON voice coil bobbin, and rigid steel frame.

1205 and 1215

Single 15-inch driver with 2.5-inch voice coil, employing polymide KAPTON voice coil bobbin, and rigid steel frame.

High Frequency

1201 and 1205

SUNN designed and manufactured horn with 35 x 70 degree radiation angle and dual Piezoelectric drivers.

1212 and 1215

SUNN specified integral horn/driver with 35 x 70 degree radiation angle and electrodynamic driver.

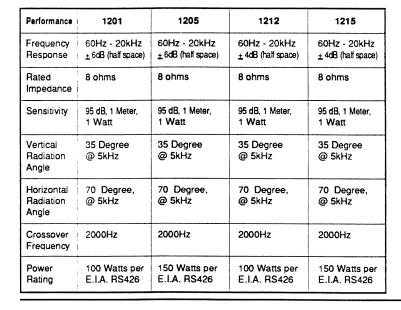
Crossover

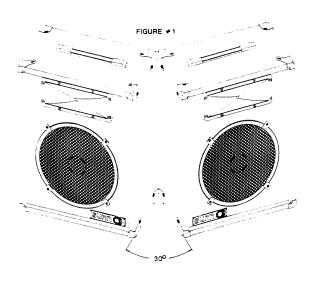
1212 and 1215

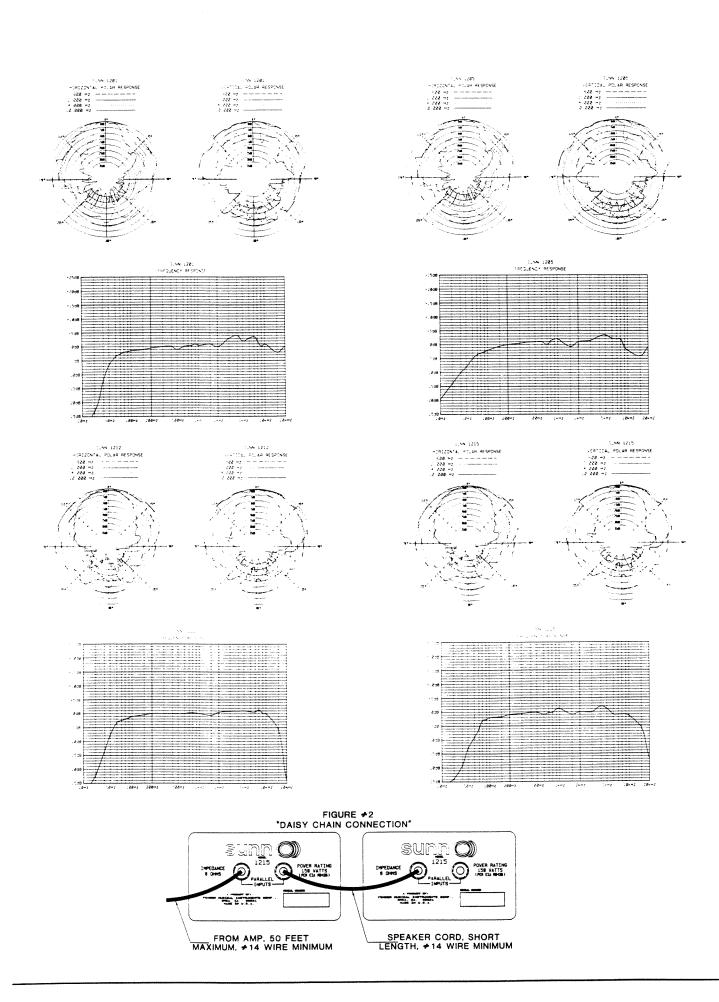
2kHz, 18dB per octave, BUTTER-WORTH type.

Cabinet

ALL WOOD construction with rectangular shape and rugged carpet covering.







SUNN ELECTRONIC PRODUCTS LIMITED WARRANTY

This limited warranty against defects in material and workmanship applies only to the original purchaser when purchased from an Authorized SUNN Dealer. IMPORTANT: PLEASE RETAIN YOUR SALES RECEIPT AS IT IS YOUR PROOF OF PURCHASE COVERING YOUR LIMITED WARRANTY. THIS LIMITED WARRANTY IS VOID WITHOUT SUCH SALES RECEIPT.

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