

TV-FM AMPLIFIED 4-SET COUPLER MODEL HSA-44

DESCRIPTION

The Jerrold amplified 4-set coupler, HSA-44, is a printed circuit amplifier for improving TV and FM signals. Designed to feed one, two, three, or four TV/FM sets from a common antenna. Model HSA-44 employs a single 6DJ8 tube to provide 0.5 db minimum gain from each of four outlets. The amplified coupler provides excellent isolation between TV/FM receivers and is designed with the latest frame grid tube to prevent degradation of antenna signals.

The coupler can be used with Jerrold's new "Magic Carpet" indoor antenna, or with any conventional outdoor antenna. Input and output impedances of 300 ohms permit a simple twin-lead installation. Serrated washers on both input and output terminals assure perfect connection to twin-lead without wire stripping.

This compact, rugged amplifier is powered from any 117 v 60 cycle ac source, consumes only 10 watts, and is designed for 24-hour-a-day continuous operation. The HSA-44 is equipped with an ON-OFF switch for easy disconnection when not being used over long periods.

A safety interlock insures that power will be off the amplifier when changing tubes. The circuitry is protected by a 50-ohm fusible resistor.

This is another Jerrold product designed for long life and trouble-free, efficient service for years of viewing and listening pleasure.

SPECIFICATIONS

MIN. GAIN	0.5 db	NOISE FIGURE	LO 5 db
BANDWIDTH	54-108 mc, 174-216 mc		HI 6 db
SKIRT SHARPNESS	down 6 db at 108 mc	TUBE COMPL.	(1) 6DJ8
FLATNESS	Lo Band \pm 1.5 db max.	POWER SOURCE	117 v 60 cycle ac.
	Hi Band \pm 1.0 db max.		
MAX. OUTPUT	70,000 microvolts per channel for 7 channels	POWER CONSUMPTION	10 Watts
INPUT & OUTPUT IMPEDANCE	300 ohms	DIMENSIONS	4 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " x 3"
		FINISH	Top: beige Base: Dark brown
OUTPUT VSWR	1.8	SHIPPING WEIGHT	2 lb. 10 oz.

* A printed version of this sheet (IS435-281) complete with illustrations, schematic, and replacement parts list will be available in the near future. Address requests to JERROLD ELECTRONICS CORPORATION, Distributor Sales Division, 15th & Lehigh Avenue, Philadelphia 32, Pa.

INSTALLATION INSTRUCTIONS

1. Locate and mount the HSA-14 in an attic, closet, or any convenient wall or flat surface, as near to the antenna as possible and where a 117 volt 60 cycle ac outlet is readily available.
2. Connect twin-lead from antenna to terminals marked ANT. (Cut twin-lead square, slide beneath each pan of terminal screw and tighten the screw until crown washers seat flush).
3. Connect twin-lead from TV or FM sets (or from Jerrold Plug-In Outlets) to any of the four output terminals.

CAUTION

Proper care should be taken when installing twin-lead:

- a. Do not permit antenna lead to cross over set leads.
- b. Do not run twin-lead along metal pipes, ducts, or in metallic enclosures.
- c. Do not use metal staples, nails, tacks or screws to fasten twin-lead ... use plastic straps or clips. (Jerrold makes a plastic clip, Model HS-36, for this purpose).

TV and FM receivers may be used in any combination.

It is not necessary to terminate unused output terminals when less than four sets are used.

NOTE

When plug-in outlets are desired to provide for convenient disconnect of receiver antenna leads or to enable relocation of a receiver, we recommend the use of Jerrold NO-LOSS outlets. Use Model HS-135-J for surface mountings and HS-140-J for flush mountings.