

AUTOMATIC IMPEDANCE MATCH

"AIM"

Patented



Aim is designed to afford a perfect match of impedance between antenna, lead line and receiver used in the VHF and UHF ranges (2 through 83).

Four of Aim's most important functions are:

1. CORRECTION OF MIS-MATCH—Aim will match out better than a 10 to 1 ratio in mis-match. Most antenna systems will vary as much as 50 to 750 ohms. Aim will correct these differences of impedance to the exact impedance of the receiver used, automatically as channel is selected. Aim affords use of various lead lines such as open line, 72 ohm coax and etc., without fear of mis-match.

2. BALANCING OF ANTENNA SYSTEM—Aim through its transformer coupling, will eliminate line surges caused by variance in the space patterns, and multipath signals, arriving at the antenna in the horizontal and vertical directions, thus eliminating picture flutter and light variances. You will note a much steadier picture with the use of Aim as the antenna system will be balanced.

3. ELIMINATES MULTIPATH REFLECTIONS—What are commonly called ghosts in most instances in reality are not true ghosts, but multipath reflections which will appear as halos on your television picture. These are caused by reflections between the television receiver and the antenna. Aim will eliminate these halos, giving a clear, sharp picture.

4. IMPROVES IMAGE REJECTION RATIO OR RESOLUTION—Due to the greatly increased signal strength on all channels, achieved by the correction in mis-match, the resolution or contrast will be much stronger, thus giving a sharp, clear picture at all times. With this large increase in DB. gain, the signal to noise ratio is improved with a subsequent decrease in objectionable interferences.

No More "GHOSTS"

AIM eliminates all ghosts due to multi-path reflections.



No More "WEAK" Pictures

AIM increases db gain up to 80% signal strength increase. (Extremely high signal-to-noise ratio!)



No More PICTURE Flutter

AIM balances antenna system! Stops standing waves, line surges, distortions. 13 matching stubs in one!



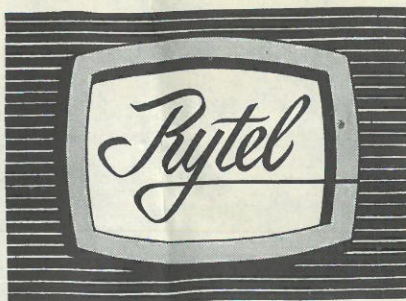
AIM hits the PERFECT Vision Bullseye!

Easy, simple installation at receiver. Aim is not just a wave trap or booster, NOT a twin lead stub. A-I-M automatic impedance match automatically matches antenna lead-in with receiver impedance for all frequencies, for VHF and UHF.

AIM IS SIMPLE TO INSTALL — Attach terminals on Aim line to terminals on television receiver; attach the antenna lead-in wire to terminals on impedance box. For receivers that use a separate converter for UHF, the Impedance Match is connected between antenna lead line and converter.

TESTING — To obtain accurate readings on increased signal strength, you must take measurements off the grid of the cathode ray tube in a receiver that does not employ automatic gain control. Aim may not be tested with an ordinary field strength meter. You will also note that when making a continuity check of the Aim line, it will appear as a dead block, which is normal. There should be no transfer in the Aim line up to 60 meg. ohms.

CAUTION — Do not alter Aim line or remove terminals or this unit will be rendered inoperative. Terminals may be cut to spade type when necessary for installation, without damage to unit.



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