

\$2.00



MATV SYSTEMS

ANTENNAS

TOWERS

ELECTRONICS

NEW FOR '77
SUPER RECEPTRON®
WITH **ACCU/MATCH**

MATV (Master Antenna TV) systems for homes, apartments, motels
hotels, schools, colleges, commercial buildings and industrial plants.

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Introducing Delhi's New TV Antennas for Perfection in Reception

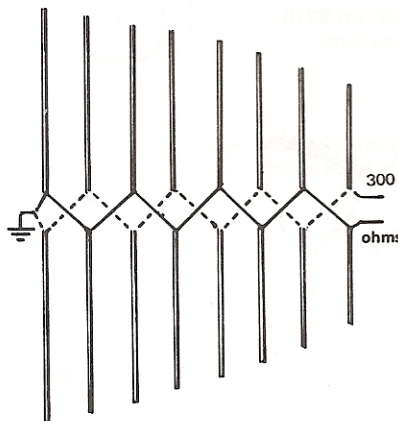
SUPER RECEPTRON[®]

WITH ACCU/MATCH

ACCU/MATCH

The introduction of Delhi's all new "ACCU/MATCH" linear transposed phasing system to Super Receptron antennas, represents a significant breakthrough in antenna design and performance. "ACCU/MATCH" utilizes a harness, which couples the VHF high band frequencies on a high impedance mode. This results in more efficient signal-coupling to the transmission line for more gain. Increased gain reduces snow and improves picture clarity.

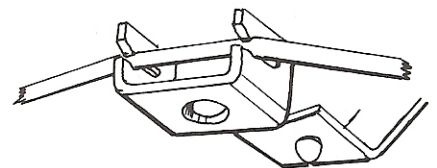
The transposed harness reduces the unwanted side-lobe levels, thus improving field strength patterns and increases the front to side and front to back ratios. Unwanted signals, interference and ghosts are effectively reduced. The high impedance "ACCU/MATCH" system gives Super Receptrons higher gain and extremely low VSWR (better than 1.5 to 1). This flatness in response across the band eliminates phase shift to provide truest color and sharper, clearer picture and sound.



The "ACCU/MATCH" harness is grounded to the mast to eliminate static build up and make checking down-lead continuity easy.

A Model AMT-82 transformer can be attached to Super Receptron terminals to convert the antenna to 75 ohm coaxial cable output.

Positive double contacts are used at each element connection of the "ACCU/MATCH" harness for completely reliable performance and best electrical flow.

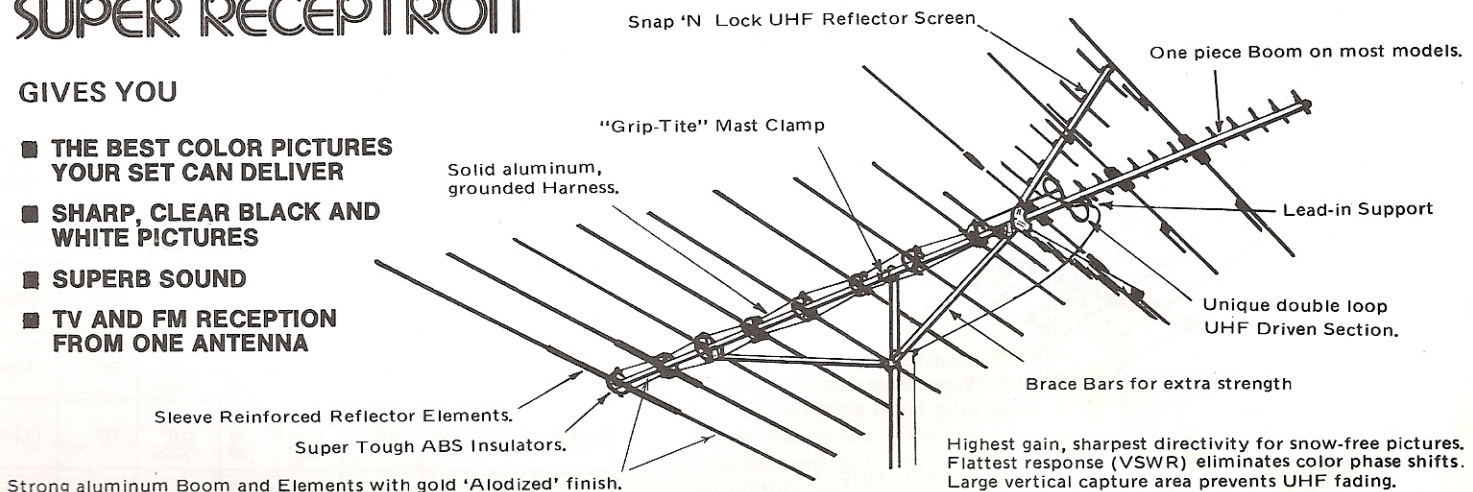


SUPER RECEPTRON[®]

GIVES YOU

- THE BEST COLOR PICTURES YOUR SET CAN DELIVER
- SHARP, CLEAR BLACK AND WHITE PICTURES
- SUPERB SOUND
- TV AND FM RECEPTION FROM ONE ANTENNA

INSTALLER ENGINEERED Features

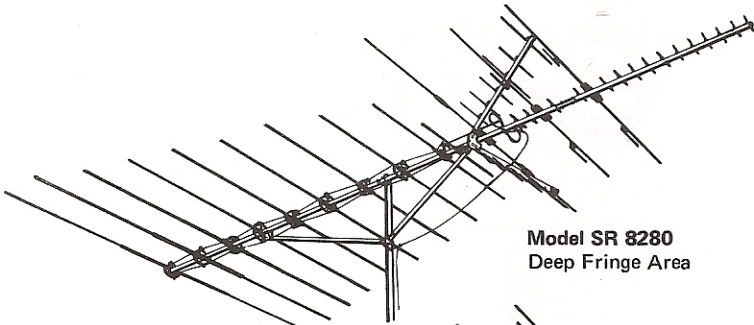


SUPER RECEPTRON[®] 82

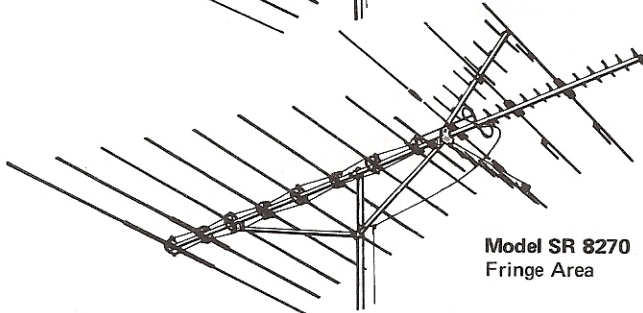
SERIES
COLOR TV ANTENNAS
VHF/UHF/FM (5 MODELS)

with **ACCU/MATCH**

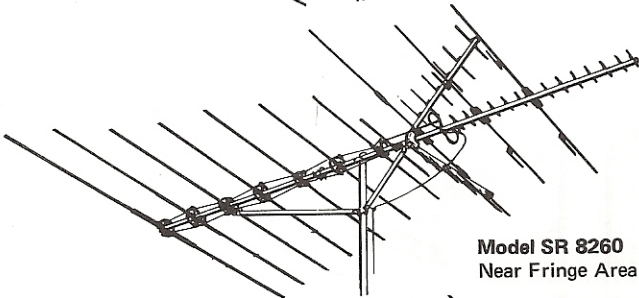
CHOOSE ONE OF THESE ANTENNAS
FOR PERFECTION IN RECEPTION.



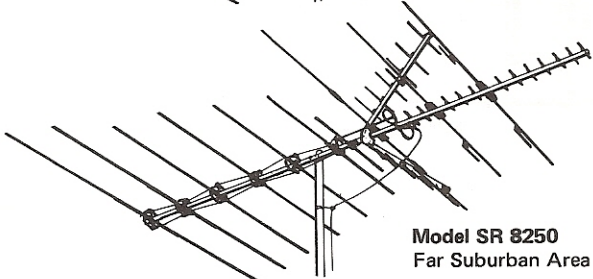
Model SR 8280
Deep Fringe Area



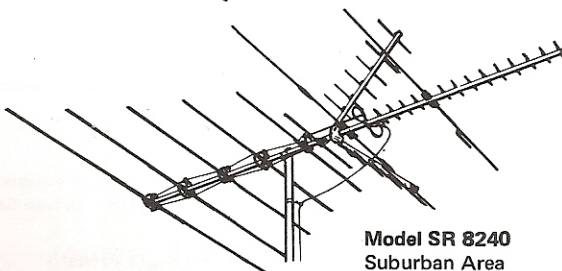
Model SR 8270
Fringe Area



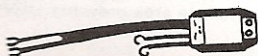
Model SR 8260
Near Fringe Area



Model SR 8250
Far Suburban Area



Model SR 8240
Suburban Area



VHF-UHF
Frequency Separator
Supplied

Featuring advanced engineering in excellence of impedance

Delhi's leadership in antenna design spans a period of over 25 years. During this time we have introduced many advanced antennas with unique, patented features that have provided Canadians with the finest in TV viewing.

Our new Super Receptron antennas represent years of intense product development. The result — the exciting, new "ACCU/MATCH" linear transposed phasing system!

This new generation of Super Receptrons has fewer elements for lower wind resistance and ice loading, yet because of "ACCU/MATCH" has higher gain for truer colors and sharper clearer picture and sound.

"ACCU/MATCH" is a system which provides an extremely accurate impedance match across the band, enabling more of the available signal to be fed into the lead-in wire at the terminals.

Because the "ACCU/MATCH" phasing system is linear transposed to all driven elements, it gives Super Receptrons extra high rejection of unwanted signals from the back and

FEATURES OF SR 82 SERIES

- * 5 High Gain All Channel Models to choose from.
- * "ACCU/MATCH" linear transposed phasing harness.
- * Harness grounded to mast eliminates static.
- * Reflector screens for improved UHF performance.
- * Double Loop UHF driven section.
- * Ultra high rejection of unwanted signals from back and sides.
- * FM and FM Stereo reception.
- * "Installer Engineered" with Snap 'N' Lock element clamps for quick, reliable installation.
- * Aluminum construction with gold "Alodized" weather resistant finish.
- * VHF/UHF band-separator supplied for back of TV set.

Specifications / SUPER RECEPTRON 82 VHF-UHF-FM

Model	Reception Area	Impedance (Ohms)	Beam Width (degrees)	Boom Length	Turning Radius	Shipping Weight 1/ctn.
SR 8280	Deep Fringe	300	VHF Lo 66 VHF Hi 35 UHF 34	168" 2 piece	96"	16.5 lbs
SR 8270	Fringe	300	VHF Lo 68 VHF Hi 36 UHF 37	138" 1 piece	88"	15 lbs
SR 8260	Near Fringe	300	VHF Lo 70 VHF Hi 37 UHF 36	132" 1 piece	85"	14 lbs
SR 8250	Far Suburban	300	VHF Lo 73 VHF Hi 38 UHF 36	120" 1 piece	78"	11.5 lbs
SR 8240	Suburban	300	VHF Lo 75 VHF Hi 40 UHF 36	108" 1 piece	72"	10.5 lbs

SUPER RECEPTRON[®] 10

SERIES
COLOR TV ANTENNAS
VHF/FM (6 MODELS)

with ACCU/MATCH

in design and a breakthrough
match with ACCU/MATCH

sides to prevent ghosts and co-channel interference.

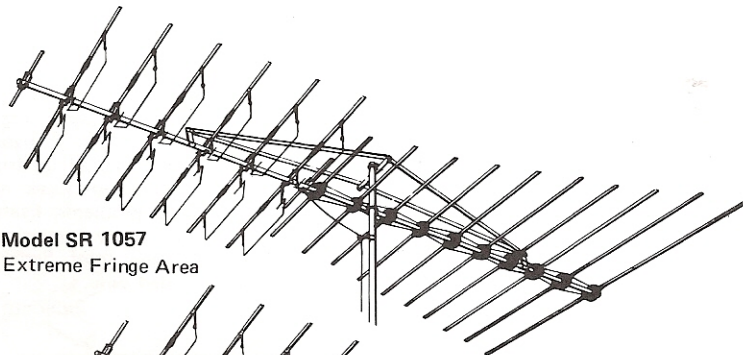
These high performance antennas are made in two series, 82 Series for VHF/UHF/FM with five models and 10 Series for VHF/FM with six models. Each model is designed to capture the complete spectrum of frequencies with even response for finest color as well as black and white.

All models are 300 ohms impedance, but they can be easily converted to 75 ohm coaxial cable output using model AMT-82 transformer.

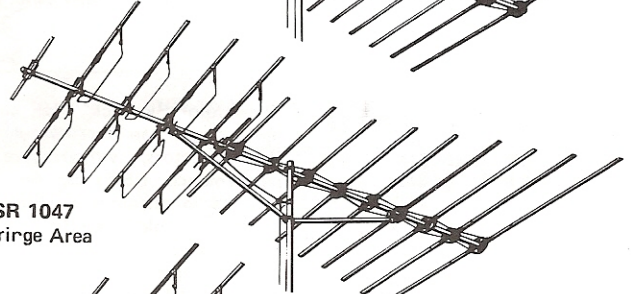
Super Receptrons are "Installer Engineered" with Patented "Snap 'N' Lock" element clamps for quicker more reliable installations. Rugged, long lasting aluminum construction has an attractive gold "Alodized" weather resistant finish. The ACCU/MATCH harness system is made of solid aluminum with positive double contacts. DELHI assures your satisfaction with a one year guarantee on materials and workmanship.

Ask your dealer about the model best suited for your area needs.

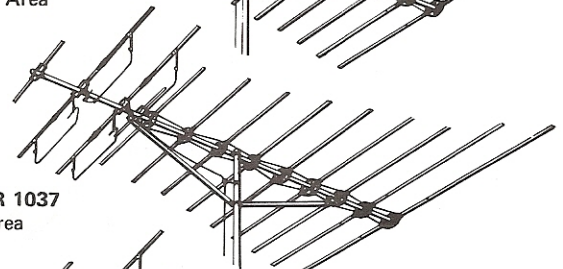
ONE OF THESE ANTENNAS WILL GIVE YOU
PERFECTION IN RECEPTION.



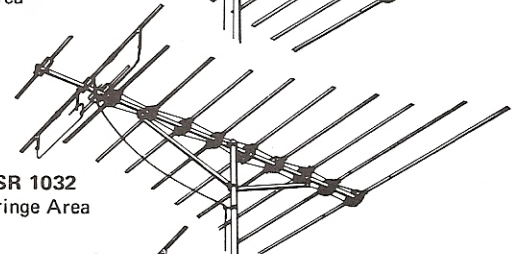
Model SR 1057
Extreme Fringe Area



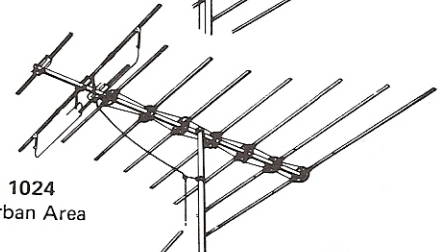
Model SR 1047
Deep Fringe Area



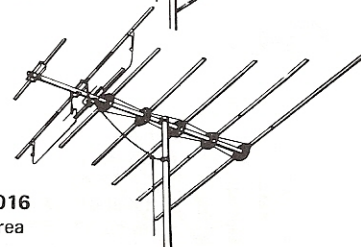
Model SR 1037
Fringe Area



Model SR 1032
Near Fringe Area



Model SR 1024
Far Suburban Area



Model SR 1016
Suburban Area

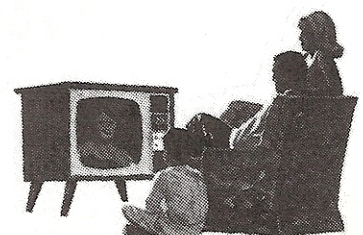
FEATURES OF SR 10 SERIES

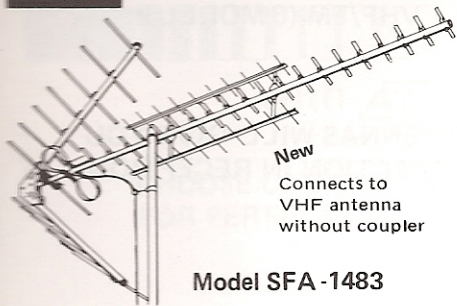
- * 6 High Gain VHF/FM Models to choose from.
- * "ACCU/MATCH" linear transposed phasing harness.
- * Harness grounded to mast eliminates static.
- * Patented "Receptro-Lens" director system increases VHF gain.
- * Ultra high rejection of unwanted signals from back and sides.
- * FM and FM Stereo reception.
- * "Installer Engineered" with Snap 'N' Lock element clamps for quick reliable installations.
- * Aluminum construction with gold "Alodized" weather resistant finish.

Specifications/SUPER RECEPTRON 10 VHF/FM

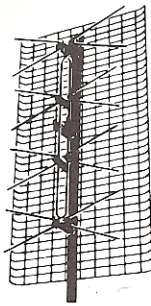
Model	Reception Area	Impedance (ohms)	Beam Width (degrees)	Boom Length	Turning Radius 1/ctn.	Shipping Weight
SR 1057	Extreme Fringe	300	Lo 64 Hi 29	197" 2 piece	105"	19.5 lbs
SR 1047	Deep Fringe	300	Lo 65 Hi 32	160" 2 piece	95"	15 lbs
SR 1037	Fringe	300	Lo 68 Hi 36	136" 1 piece	88"	13 lbs
SR 1032	Near Fringe	300	Lo 70 Hi 39	124" 1 piece	75"	11 lbs
SR 1024	Far Suburban	300	Lo 72 Hi 43	99" 1 piece	69"	8.5 lbs
SR 1016	Suburban	300	Lo 73 Hi 44	75" 1 piece	64"	7 lbs

A sharp, clear, natural picture makes TV viewing most enjoyable. A Super Receptron gives your TV set the best signal it can use for the finest picture and sound.





SFA-1483 "Super Flying Arrow" has a unique driven section plus corner reflector to give it very high forward gain across the UHF band. Ideal for fringe areas. Install 3' away from VHF antenna. Director tips may be broken off to increase gain 5 dB between chs. 71 to 83. This will lower gain 3 dB between 53 and 60. Gold "Alodized" aluminum. Boom 75".
Model SFA-1483 2/ctn. Sh. Wt. 11 lbs.

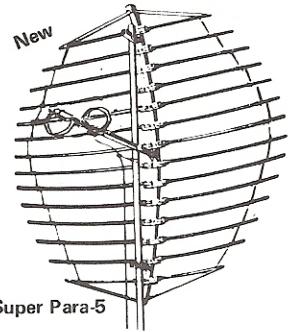


"4 Bay Bow Tie" antennas provide outstanding performance across UHF band and are recommended for fringe areas. The Bow Tie reduces multi-path and ghost problems. Features "jam-fit" for instant mounting into top of existing mast. Screen is galvanized welded wire.

2 per ctn. Sh. Wt. 7 lbs.



"Corner Reflector" is a broadband UHF antenna for near-fringe areas. It has a broader beam width than other antennas, so aiming at station is not as critical. Strong "Alodized" aluminum construction.
6 per Ctn. Sh. Wt. 12 lbs.



"Super Para-5" is a 5 foot parabolic antenna with extremely high gain across the UHF band for deep fringe areas. It has narrow pattern and excellent impedance match. All 'gold' "Alodized" aluminum construction with "Snap 'N' Lock" element clamps. 5' Dia. Sh. Wt. 8 lbs.

VHF BROADBAND ANTENNAS

The 'Color Big Jack' VHF conical yagi has a driven fan plus two elements and five directors, which give it high performance. CBJ's can receive several stations in different directions without rotating. Gold 'Alodized' aluminum construction with "Snap 'N' Lock" clamps. Boom is 69.5".
Model CBJ-1 2/cn. Sh. Wt. 13 lbs.

The 'Super Pirate' 500 provides high gain on channels 2 to 13 and has good rejections of unwanted signals from back and sides. All elements "Snap 'N' Lock", Construction is gold 'Alodized' aluminum. Boom is 78". 2/ctn. Sh. Wt. 12 lbs.
Model P500 2/cn. Sh. Wt. 12 lbs.

The "Pirate 400" is a rugged, high performance VHF antenna with double driven folded dipoles with two directors. Has "Snap 'N' Lock" element clamps and gold "Alodized" aluminum construction. Boom is 58.5' long. 1/ctn.
Model P400 double stacked Wt. 9 lbs.

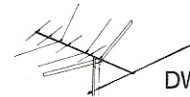
The 213 is a popular all VHF channel antenna, which provides good gain on all channels 2 to 13. Has "Snap 'N' Lock" clamps. Natural aluminum finish. Boom 74"
Model 213 (Plain) 2/ctn. Sh. Wt. 12 lbs.

CONICAL ANTENNAS

Delhi Conicals have a unique patented design that gives good gain and flat response across the VHF band. "Snap 'N' Lock" element clamps speed installation. All models have natural aluminum finish.

Model	Description	Std. Ctn.	Ship Weight
20LC	20 element	1	9.5
10LCS	10 element	2	9
20LCS	20 element	1	9
6LCD	6 element	4	25
12LCD	12 element	1	12.5

VHF MULTI-CHANNEL TV ANTENNAS

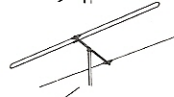


Very high forward gain on channels 2, 4 and 7 also receives 5, 9 and 11 on its side lobes. 8 element antenna has 82" boom. 2/ctn. Sh. wt. 12.5 lbs. finish plain.

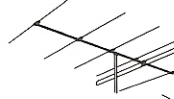
The following antennas are gold "Alodized"



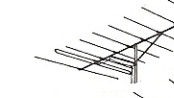
2 element yagi for all high band channels 7 to 11 in primary areas. 14" boom length. 4/ctn. sh. wt. 4.5 lbs.



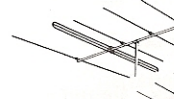
2 element yagi for all low band channels 2 to 6 in primary areas. 34" boom, 4/ctn. sh. wt. 10 lbs.



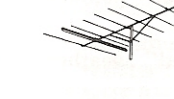
6 element yagi with high gain on chs. 2 and 4. 106" boom. 2/ctn, sh. wt. 11 lbs.



10 element yagi with very high gain on chs. 2 and 4. 174" boom has brace bars. 1/ctn. sh. wt. 10.5 lbs.



6 element yagi with high gain on chs. 4 and 5. 86" boom. 2/ctn. sh. wt. 10.5 lbs.



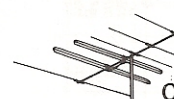
10 element yagi with very high gain on chs. 4 and 5. 150" boom has brace bars. 1/ctn. St. wt. 9.5 lbs.



Double driven 10 element yagi with high gain on all high band VHF chs. 7 to 13. Boom is 44" 2/ctn. sh. wt. 5 lbs.



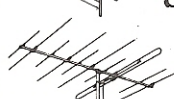
Double driven 10 element yagi with very high gain on all high band chs. 7 to 13. Boom is 127". 2/ctn. sh. wt. 6 lbs.



Double driven 6 element yagi with extra high gain on chs. 3 and 5. Boom is 107". 1/ctn. sh. wt. 7.5 lbs.

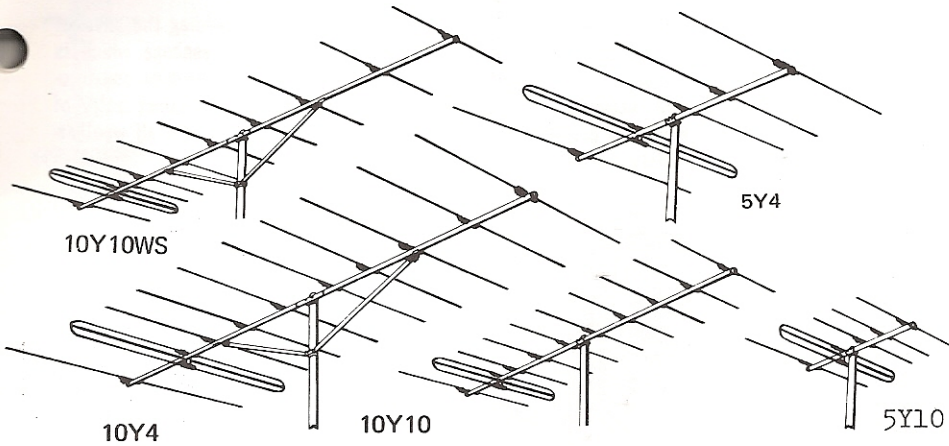


13 element yagi with very high gain on chs. 4, 5 and 11. Boom is 86". 2/ctn. sh. wt. 15 lbs.



10 elements with very high gain on chs. 5, and 9. 77.5" boom. 2/ctn. sh. wt. 11 lbs.

VHF SINGLE CHANNEL ANTENNAS



Precision Tuned Yagis for the finest Color or black and white TV reception on single VHF channels.

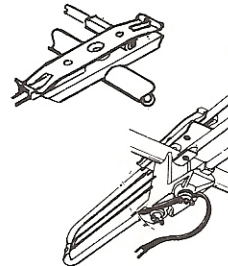
Delhi yagis are available in a complete line of models to suit all situations where single channel antennas are needed. Transformer-match folded dipoles provide excellent impedance match. Installation is made easy by reliable "Snap 'N' Lock" element clamps. Aluminum elements, booms and braces are gold "Alodized" for extra long life.

10 element yagis are excellent for fringe to deep fringe areas and 5 element models are suitable from suburban to fringe areas.

All yagis of the same model can be double stacked for higher gain and narrower beam width. Order "Perfect Match" Stacking Harness and indicate yagi model.

Model No.	No. of elements	Ch.	No. /ctn.	Ship Wt.
5Y2	5	2	2	11.0
5Y3	5	3	2	10.5
5Y4	5	4	2	10.0
5Y5	5	5	2	9.0
5Y6	5	6	2	9.0
5Y*	5	*	2	5.5
10Y2	10	2	1	11.5
10Y3	10	3	1	11.0
10Y4	10	4	1	10.5
10Y5	10	5	1	10.0
10Y6	10	6	1	9.0
10Y*	10	*	1	10.0
10Y*W.S.	10	*	1	8.5

* Indicate high band channel desired.

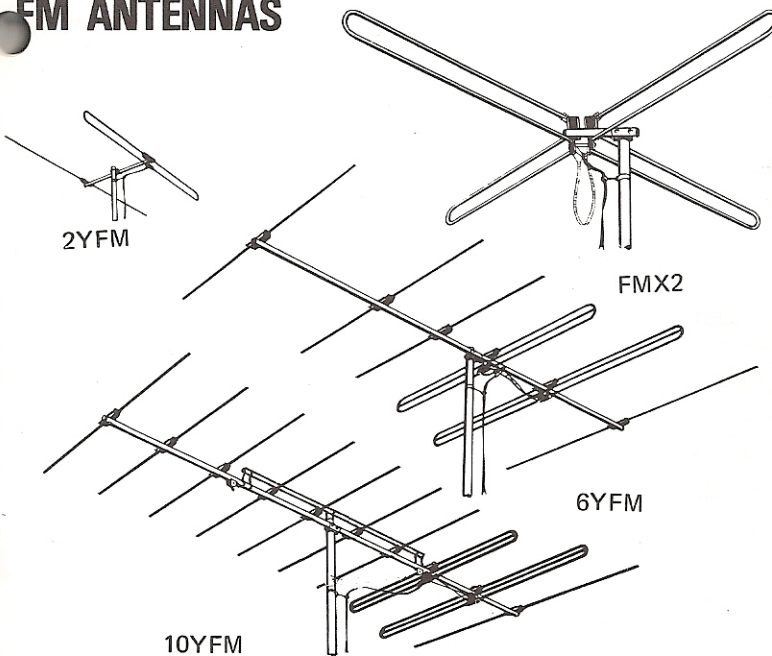


Patented "Snap 'N' Lock" element clamps



Transformer-match folded dipole

FM ANTENNAS



For the finest reception of Mono, Stereo, or Quad FM

Any FM radio will sound better when connected to one of these high performance FM antennas. These 4 models can reduce hash and distortion, so the crystal clear sound of FM broadcastings comes through. All have gold "Alodized" finish for extra long service life.

Model 2YFM is a 2 element yagi designed for receiving one or more local FM stations in the direction it is pointed. Weighs, 1.75 lbs. 2/ctn.

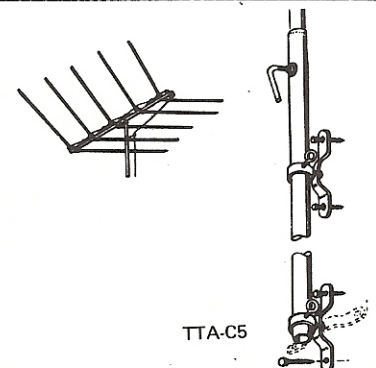
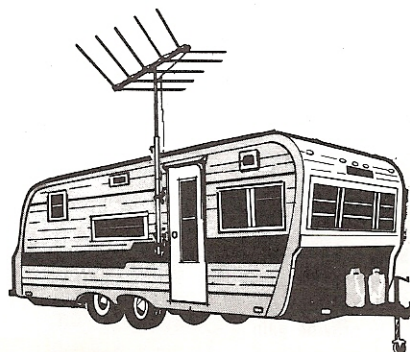
Model FMX2 is an omni-directional, turnstile antenna, which can receive many local stations in all directions without being rotated. Wt. 1.75 lbs. 1/ctn.

Model 6YFM is a six element yagi with very high forward gain and exceptional rejection of unwanted signals from the back and sides. It is ideal for primary to fringe areas. Must be rotated towards the station desired. Boom is 89" Wt. 5 lbs. 2/ctn.

Model 10YFM has exceptionally high forward gain for deep fringe and problem areas. It is designed to reject unwanted signals from the back and sides and cut off multi-path distortion. It can bring in the clearest FM stereo sound ever heard. Must be aimed at the station desired. Boom is 119" Weight 7.5 lbs. 1/ctn.

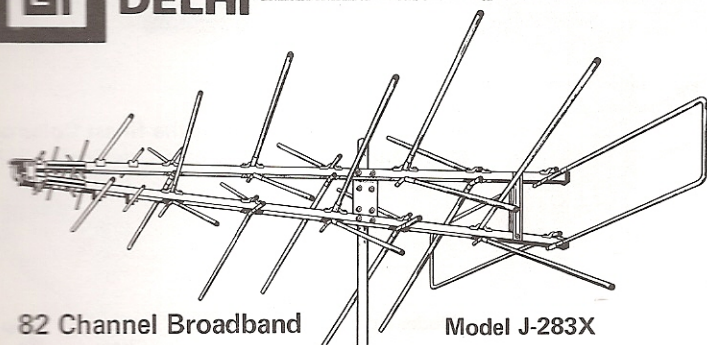
TRAVEL TRAILER ANTENNA KIT

Model TTA-C5 kit contains a powerful "Canadian" C-5 antenna in gold "Alodized" finish for VHF Color TV or black and white and FM stereo. Antenna can be lowered and folded for travel in seconds. Mounts easily on any trailer. Includes hardware and 20' of lead-in-wire. Sh. Wt. 11.5 lbs.



TTA-C5

J-SERIES SYSTEMS ANTENNAS



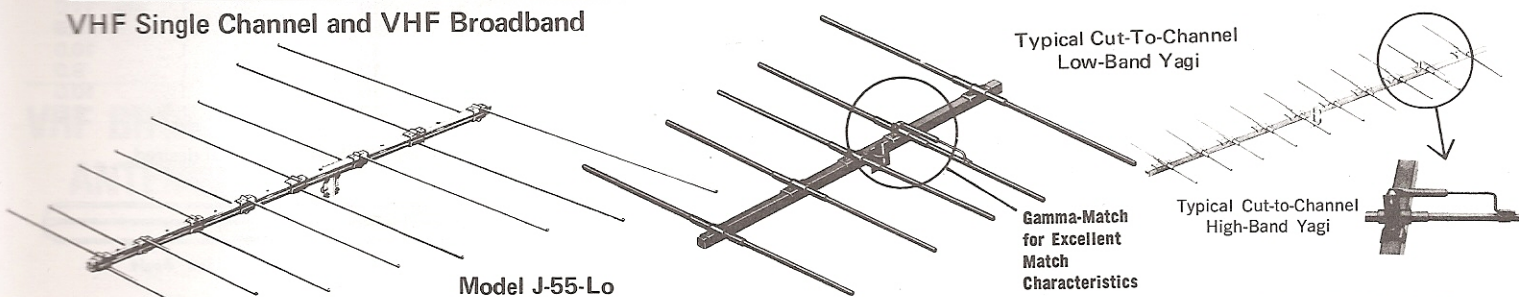
Log periodic bi-conical design gives performance exceeding the physical size of the antenna. The unique design gives flat response which is essential to the reception of quality color. Extra-heavy-duty construction; seamless chrome-aluminum tubing; ends sealed against entry of moisture; protected with a special anti-corrosion finish for all weather-resistant installations.

Average dB Gain	VHF-Lo 6.5 VHF Hi 10.2 FM 5.0 UHF 6.0
Impedance:	75 Ω, 1:5 VSWR
Wind Load:	125 MPH
Front-to-Back Ratio:	VHF: 18 dB; UHF: 20 dB
Beamwidth (Degrees):	VHF: (Lo) 70°, (Hi) 45°; UHF: 55°
Elements:	8 V, 7 U
Boom Length (inches):	92
Turning Radius (inches):	62
Weight (lbs.):	20
Mounts on Mast Size (inches):	2" max.

82 Channel Broadband Model J-283X

Jerrold established its cut-channel line of J-Series Yagis as the standard of reliability in professional MATV installations. Now, for applications requiring a VHF broadband or an All-Channel VHF/UHF rugged antenna, use Jerrold's new J-283X. These All-Channel units are built to the same high standards as the cut-channel antennas.

VHF Single Channel and VHF Broadband



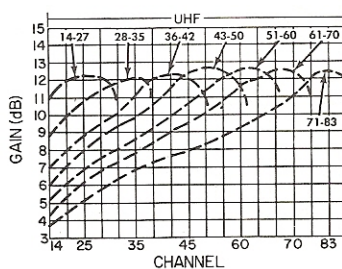
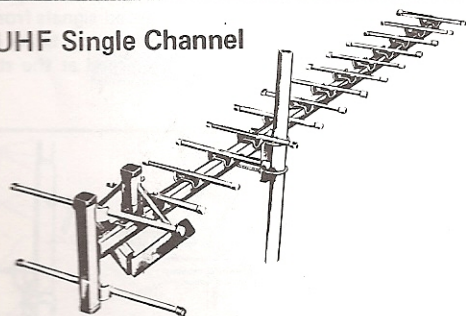
Model J-55-Lo

Jerrold J-Series Models are heavy-duty 75-ohm commercial quality master antennas for TV distribution systems. Available in both cut-to-channel yagi and broadband models. Single channel antennas feature sharp directivity for high gain, and excellent front-to-back ratios. All cut-to-channel models have a built-on silver-plated 75-ohm coaxial cable connector with a sealed capacitor-tuned gamma match network for optimum signal transfer. Broadband models are of true log-periodic design assuring extremely flat response and matched output over the entire band. Both types provide the finest reception of color, black-and-white, and FM.

J-Series antennas are of extra-heavy-duty construction from seamless chrome-aluminum tubing, end-sealed against entry of moisture, and having special anti-corrosion finish, to assure a maintenance-free, weather-resistant installation. J-Series yagis are the answer to any system requirement where high reliability or long life is a must. Operational/survival wind velocity specification (ice-free) for J-Series Antennas is 125 mph.

TYPE	MODEL NUMBER	CHANNEL	NUMBER OF ELEMENTS	GAIN (dB)*	FRONT-TO-BACK RATIO	BOOM L'GTH (in.)
*Relative to a tuned half-wave dipole.						
Cut-to-Channel						
Lo-Band	J55-2 J55-3 J55-4 J55-5 J55-6	2 3 4 5 6	5	8	18	97 83.75 83 75 66
FM-Band	J55-FM	FM	5	6-7	18	74
Hi-Band	J105-7 J105-8 J105-9 J105-10 J105-11 J105-12 J105-13	7 8 9 10 11 12 13	10	10.5	20	92.75 90.75 95.25 88.62 88.50 82.12 79.88
Broadband						
Lo-Band	J55-Lo	2 thru 6	log-periodic	8	22	90
Hi-Band	J105-Hi	7 thru 13	log-periodic	8.5	22	105.78
IMPEDANCE (all models): 75 ohms. VSWR: Less than 1.5:1						
AVERAGE SHIPPING WEIGHT: Cut-to-Channel Models—10½ lbs. Broadband Models —14 lbs.						

UHF Single Channel



Each Model J-275D* consists of a wide-band, diamond-loop driver, two vertically spaced reflectors and 13 tuned directors. The diamond driver is an original Jerrold design providing a matched 75-ohm impedance throughout the UHF range. Dual reflectors increase both horizontal and vertical directivity of the driver and provides front-to-back ratios of 20 dB or better. Directors are tuned for specified channels to provide gain of 12 dB over a referenced dipole. See gain curves.

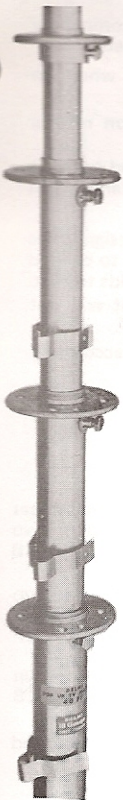
CHANNELS	Any specified channel from 14 through 83
IMPEDANCE	75 ohms VSWR: Less than 1.5:1
FRONT-TO-BACK RATIO	20 dB
DIRECTOR ELEMENT LENGTH (In Inches)	5.5 to 8.5 inches, depending on received channel
WINDLOAD	85 mph: w/¼-inch radial ice=53 lbs. w/no ice=39 lbs. 100 mph: w/¼-inch radial ice=74 lbs. w/no ice=55 lbs.
WIND VELOCITY (Survival/Operational)	125 mph
TURNING RADIUS	45 inches
AVERAGE SHIPPING WEIGHT	11 lbs.
MOUNTING MAST SIZE	1½ to 2" diameter
BOOM LENGTH	71 inches

POP-UP MASTS, TV HARDWARE AND ACCESSORIES



POP-UP MASTS

Masting is made by DELHI to exact tolerances from top quality galvanized steel. Pure zinc is sprayed on the induction welded seam for complete rust proofing. All swages and flares are accurately done so sections fit smoothly together for ease of installation.



POP-UP MASTS

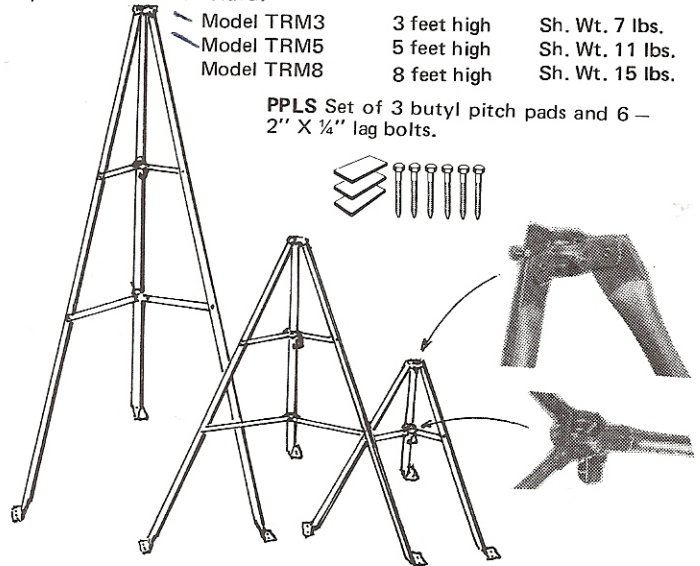
Model No.	Height in ft.	Tubes Used (each 10 ft. long)	Shipping Weight
20A	20	1-1/4" O.D. x 16 Ga.	16.7 lbs.
		1-1/2" O.D. x 18 Ga.	
30A	30	1-1/4" O.D. x 16 Ga.	26.5 lbs.
		1-1/2" O.D. x 18 Ga.	
		1-3/4" O.D. x 18 Ga.	
40A	40	1-1/4" O.D. x 16 Ga.	36.5 lbs.
		1-1/2" O.D. x 18 Ga.	
		1-3/4" O.D. x 18 Ga.	
		2" O.D. x 18 Ga.	
50A	50	1-1/4" O.D. x 16 Ga.	48.0 lbs.
		1-1/2" O.D. x 18 Ga.	
		1-3/4" O.D. x 18 Ga.	
		2" O.D. x 18 Ga.	
		2-1/4" O.D. x 18 Ga.	

TRIPOD ROOF MOUNTS

All DELHI Tripod Roof Mounts are made of strong 1 1/4" O.D. galvanized tubing. They accept masts up to 1 1/4" O.D. Shipped preassembled and folded.

- Model TRM3 3 feet high Sh. Wt. 7 lbs.
- Model TRM5 5 feet high Sh. Wt. 11 lbs.
- Model TRM8 8 feet high Sh. Wt. 15 lbs.

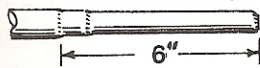
PLS Set of 3 butyl pitch pads and 6 - 2" X 1/4" lag bolts.



WELDED GALV. STEEL TV MASTING

Swaged

Description of Tubes	No. of Tubes in Bundle	Weight of tube in lbs.
1-1/4" O.D. x 5' x 18 Ga.	20	3.3
1-1/4" O.D. x 5' x 16 Ga.	20	4
1-1/4" O.D. x 10' x 18 Ga.	10	6.7
1-1/4" O.D. x 10' x 16 Ga.	10	8
1-1/2" O.D. x 10' x 16 Ga.	10	9.8



JIFFY MASTS

Do-it-yourself TV installation kits are easy to install, and save money.

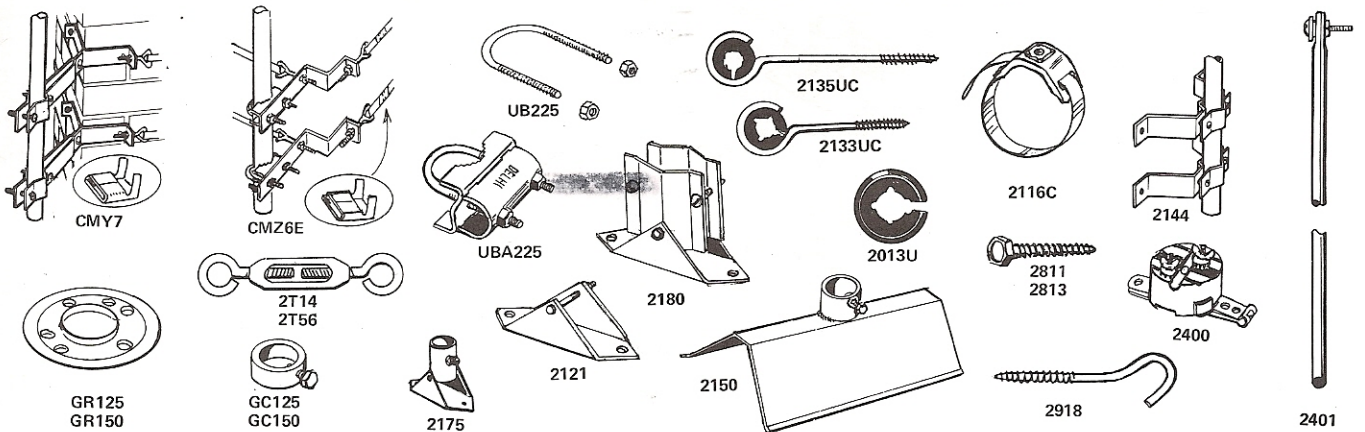
Jiffy Mast



- 5 ft. Gold "Alodized" aluminum mast, containing:
- 3-4" spiral spikes
 - 3 Neoprene washers,
 - 5 aluminum washers,
 - 1 3/2" mast stand-off,
 - 1 Instruction sheet.

INSTALLATION HARDWARE

All items are heavily plated or galvanized for long rust proof service.

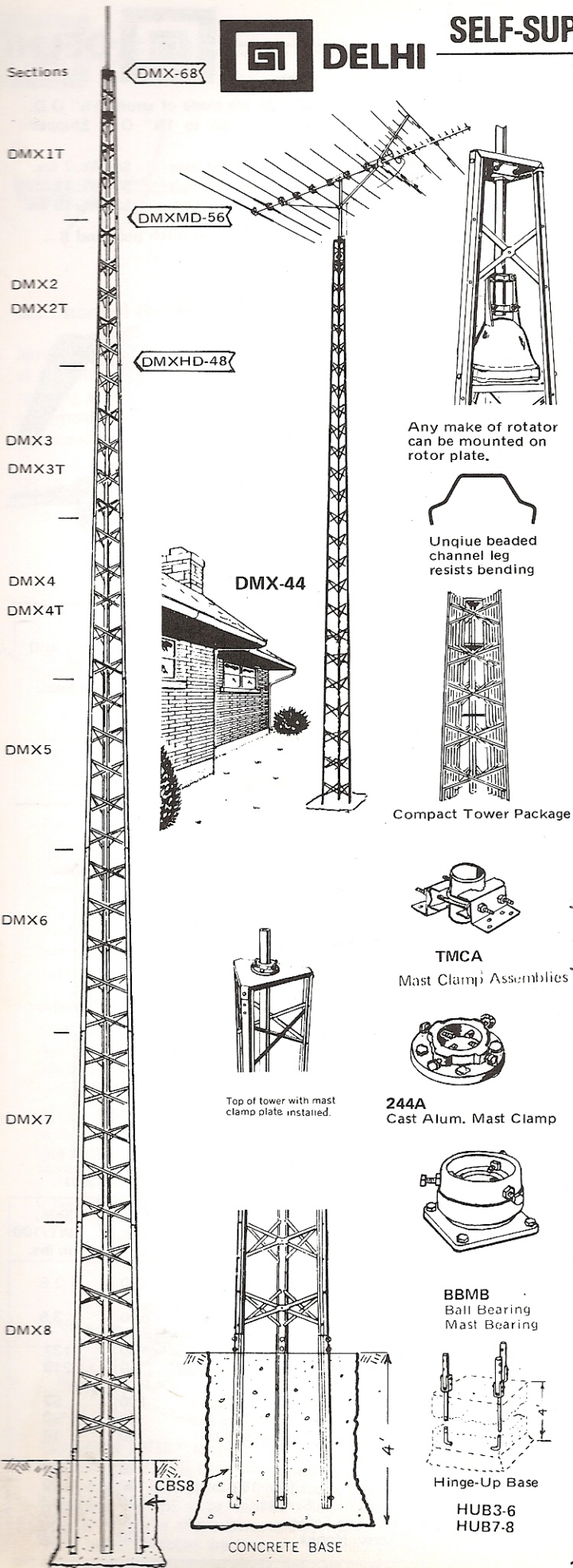


Model No.	Description	Std. Pkg.	Shp. WT/100 in lbs.	Model No.	Description	Std. Pkg.	Shp. WT/100 in lbs.
CMY7	"Y" Type Chimney Mount one pair per carton.		315	2133UC	3-1/2" Wood screw standoff. Can also be used with wrap-around 2116C	100	2.5
CMZ6E	"Z" Type Chimney Mount one pair per carton		247	2135UC	5-1/2" Wood screw standoff. Can also be used with wrap-around 2116C	100	3.5
GC125	1-1/4" Guy Collar	100	13.0	2144	4" Wall Mount one pair per carton	50	137
GC150	1-1/2" Guy Collar	100	15.5	2150	Saddle Roof Mount accepts masts up to 1-1/2" O.D.	50	210
GR125	1-1/4" Guy Ring with rounded edges	100	7.5	2175	Swivel base for Delhi Pop-Up masts	100	52
GR150	1-1/2" Guy Ring with rounded edges	100	7.0	2180	Angle Base for up to 2" O.D. masts	50	90
UB225	1-1/4" 20 x 2" U-bolts w/nuts	100	9.0	2400	Lightning Arrestors, Approved for all line sizes	50	18
UBA225	Antenna U-bolt assembly, prevents deforming boom	50	19.0	2401	Ground Rod 4 ft. long	5	155
2T14	1/4" Turnbuckle, with 2-1/8" take up	100	17.0	2751	Urider Eave Grabber Iron 16" long	100	20
2T56	5/16" Turnbuckle, with 2-1/2" take up	100	29.0	2811	1/4" x 1-1/2" Lag Screws	100	1.5
2013U	Universal inserts only	100	.5	2813	5/16" x 2" Lag Screws	100	4.0
2116C	Wrap-around with galv. strap	100	5.0	2918	4-3/4" Screw Hooks	100	10.0
2121	Economy Swivel Bases for up to 1-1/4" O.D. Masts	50	7.2				



DELHI

SELF-SUPPORTING DMX, DMXMD, DMXHD TOWERS



- * No guy wires or brackets are required. DMX towers are completely self-supporting with 4' base stubs imbedded in a block of concrete.
- * Ideal for single storey homes with cottage roofs or any home where an antenna height of up to 68 feet is required.
- * All makes of rotators can be neatly installed inside tower on rotator plate. Thrust bearing on top plate helps support antenna mast.
- * DMX towers have greater width and weight at the bottom and taper in towards the top for greater strength and lower wind resistance than parallel sided towers.
- * Construction is all steel, heavily galvanized. "X" brace design gives greater strength, since braces are riveted in the center as well as to beaded channel legs by heat treated aluminum rivets. There are no welds to rust.
- * Uniform taper from ground up has neat, graceful design that will not detract from appearance of home.
- * Eight foot tower sections are precision-built and fit together accurately for ease of installation.
- * Tower sections nest together for ease of shipping and storage.
- * Horizontal step in top section makes working at the top easier.

ANTENNA LOAD LIMITS

DMX Towers are designed to support an antenna load up to 3 square feet wind area. This is equivalent to one very large TV/FM antenna or two medium size TV/FM antennas, or one small VHF collinear or one small CB antenna.

DMXMD Medium Duty Towers are designed to support an antenna load up to 6 square feet wind area. This is equivalent to two large TV/FM antennas or one large CB beam or one small amateur beam or one large VHF collinear.

DMXHD Heavy Duty Towers are designed to support an antenna load up to 9 square feet wind area. This is equivalent to a very large CB beam or CB stacked array or a large amateur beam.

Guy wires must be used if larger loads are required or cross mounted antennas, or if greater height using straight sections is needed.

NOTE: All DMX Series Towers are shipped complete with the following: 8 ft. tower sections, DM Mast, top bearing plate, TMCA, rotor plate, three 4 ft. concrete base stubs, special bolts, nuts, washers.

Specifications:

Model No.	Height with mast	Tower Sections Supplied	Weight in lbs.
DMX-28	28 ft.	DMX 1T, DMX2, DMX3	96
DMX-36	36 ft.	DMX 1T, DMX2, DMX3, DMX4	128
DMX-44	44 ft.	DMX 1T, DMX2, DMX3, DMX4, DMX5	170
DMX-52	52 ft.	DMX 1T, DMX2, DMX3, DMX4, DMX5, DMX6	227
DMX-60	60 ft.	DMX 1T, DMX2, DMX3, DMX4, DMX5, DMX6, DMX7	297
DMX-68	68 ft.	DMX 1T, DMX2, DMX3, DMX4, DMX5, DMX6, DMX7, DMX8	350

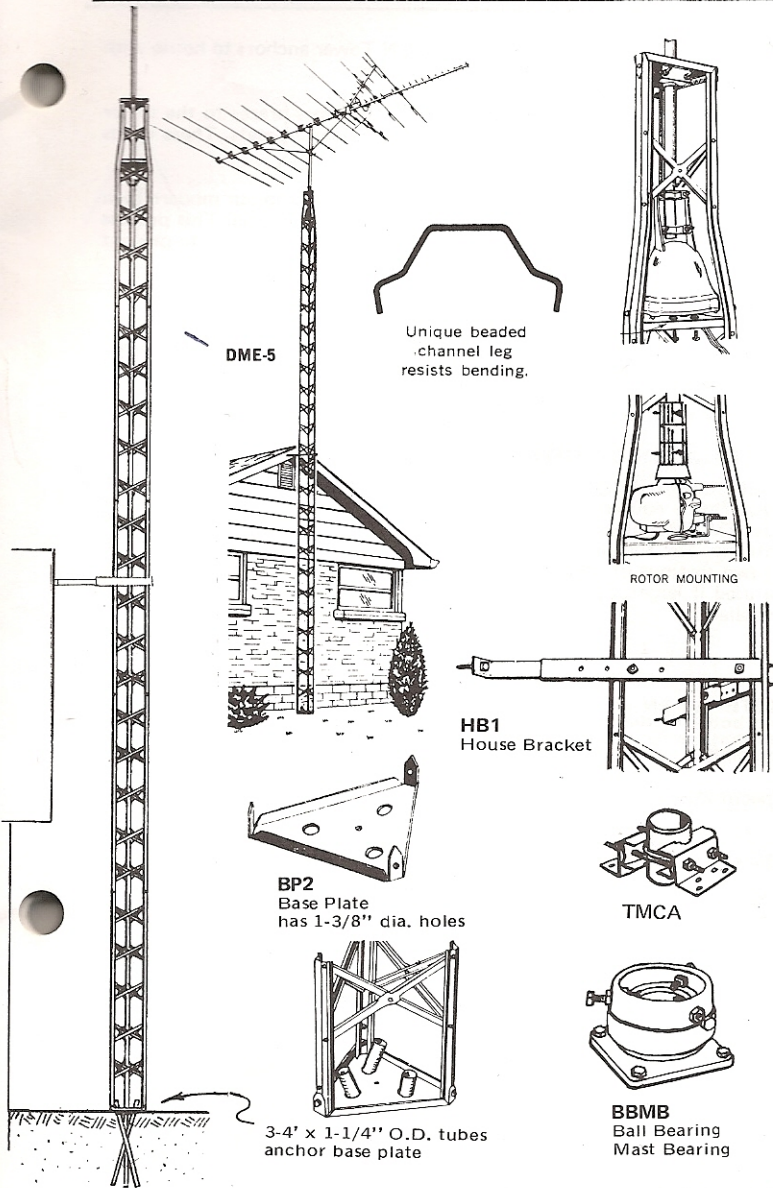
DMXMD and DMXHD Towers are shipped complete as above except no mast supplied.

Model No.	Height without mast	Tower Sections Supplied	Weight in lbs.
DMXMD-32	32 ft.	DMX2T, DMX3, DMX4, DMX5	152
DMXMD-40	40 ft.	DMX2T, DMX3, DMX4, DMX5, DMX6	200
DMXMD-48	48 ft.	DMX2T, DMX3, DMX4, DMX5, DMX6, DMX7	272
DMXMD-56	56 ft.	DMX2T, DMX3, DMX4, DMX5, DMX6, DMX7, DMX8	351
DMXHD-32	32 ft.	DMX3T, DMX4, DMX5, DMX6	170
DMXHD-40	40 ft.	DMX3T, DMX4, DMX5, DMX6, DMX7	241
DMXHD-48	48 ft.	DMX3T, DMX4, DMX5, DMX6, DMX7, DMX8	314

Items which may be ordered separately.

CBS3	Three 4' Concrete Base Stubs for DMX3	13
CBS4	Three 4' Concrete Base Stubs for DMX4	13
CBS5	Three 4' Concrete Base Stubs for DMX5	13
CBS6	Three 4' Concrete Base Stubs for DMX6	13
CBS7	Three 4' Concrete Base Stubs for DMX7	20
CBS8	Three 4' Concrete Base Stubs for DMX8	21
HUB3-6	Hinge-Up Base for DMX3 to DMX6	20
HUB7-8	Hinge-Up Base for DMX7 or DMX8	24
DM Mast	1-1/2" O.D. x 16 Ga. x 8' galv. steel mast	6
HD Mast	2" O.D. x 12 Ga. x 8' galv. steel mast	18
TMCA	Two Mast Clamp Assemblies with sleeve bearing	2
244A	Cast Alum. Clamp for up to 2-1/2" O.D. mast	2
BBMB	Cast Alum. Ball Bearing Mast Bearing for up to 2" O.D. mast	2

DME SERIES BRACKETED TOWERS



- * No concrete base or guy wires required. Tower anchors to house with special bracket which does not damage house.
- * Ideal for houses with gable ends.
- * Eight foot sections are precision built and fit together accurately for ease of installation.
- * Construction is all steel, heavily galvanized. "X" brace design gives greater strength since braces are rivetted in the center as well as to the 16 gauge open channel legs. No welds to rust.
- * Available in bracketed models to 52 ft. antenna height with six sections.
- * All makes of rotators can be neatly installed inside tower on rotator plate. Sleeve Bearing on top plate helps support antenna mast.

ANTENNA LOAD LIMIT

DME Towers are designed to support an antenna load of up to 3 square ft. wind area. This is equivalent to one large TV/FM antenna or two medium TV/FM antennas, or one small VHF collinear or one small CB antenna. No more than 20 ft. of tower (2.5 sections) should be above house bracket. Guy wires must be used if larger loads or greater height using more sections is needed.

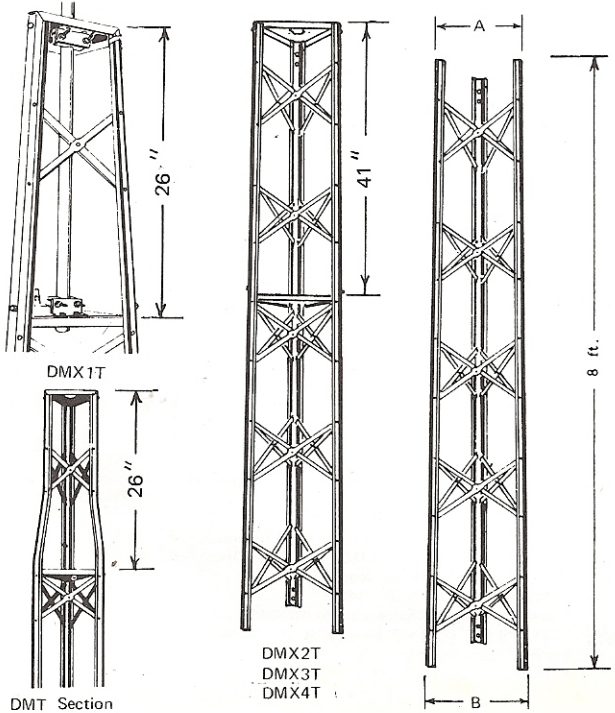
NOTE: All DME Series Towers come complete with the following: 8 ft. tower sections, DM Mast, top bearing plate, TMCA, rotor plate, base plate, HB1, special nuts, bolts and washers. Base stubs not included. See DMBS below.

Specifications:

Model No.	Height with Mast	Tower Sections Supplied	Weight in lbs.
DME-1	14 ft.	DMT	31
DME-2	20 ft.	DMT, one DMS	64
DME-3	28 ft.	DMT, two DMS	86
DME-4	36 ft.	DMT, three DMS	110
DME-5	44 ft.	DMT, four DMS	134
DME-6	52 ft.	DMT, five DMS	158

Items which may be ordered separately.

HB1	House Bracket with 16" arms	5
HB2	House Bracket with 28" arms	7
BP2	Base Plate for DMS	3
DM Mast	8' x 1 1/2" O.D. x 16 gauge galv. steel	6
DMBS	Set of 3, 3 ft. x 1 1/4" O.D. galv. steel base stubs	7.3
TMCA	Two Mast Clamp Assemblies with sleeve bearing.	2
BBMB	Cast Aluminum ball bearing mast bearing for up to 2" O.D. mast	2



DMX AND DME SECTIONS

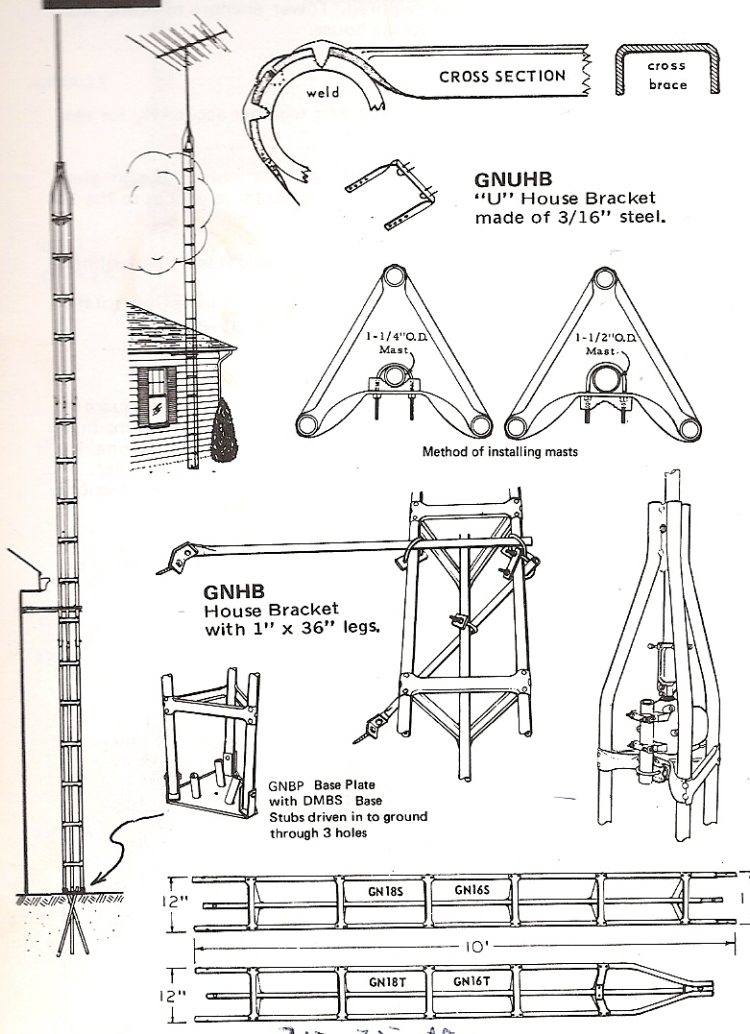
NOTE: All sections come with special heat treated bolts, nuts and washers for the bottom holes of sections. DMX1T, DMT, DMX2T and DMX3T sections come with top plate, TMCA, and rotor plate. DMX4T sections come with top plate, two 244A mast clamps and rotor plate. All sections are uniformly tapered except those with suffix "S", which are straight. All leg bottoms of straight sections are accurately swaged for a perfect fit.

Section No.	Leg Gauge	Cross Brace Gauge	Dimension "A" Top	Dimension "B" Bottom	Rivet Dia.	Weight in lbs.
DMX1T	16	18	10-5/16"	12-11/16"	3/16"	25
DMX2	16	18	12-7/8"	14-7/8"	3/16	24
DMX2T	16	18	12-7/8"	14-7/8"	3/16	26
DMX3	16	18	15-1/8"	16-15/16"	3/16	27
DMX3T	16	18	15-1/8"	16-15/16"	3/16	31
DMX4	16	16	17-3/8"	19-1/4"	3/16	32
DMX4T	16	16	17-3/8"	19-1/4"	3/16	39
DMX4S	14	14	19-11/16"	19-1/4"	3/16	39
DMX5	14	14	19-1/2"	21-5/8"	3/16	41.5
DMX5S	13	14	22-3/16"	21-15/16"	3/16	43
DMX6	13	14	22"	24-3/16"	3/16	56
DMX7	12	14	24-3/4"	26-11/16"	1/4	65
DMX8	12	14	27-1/16"	29-1/4"	1/4	70

Straight Sections used in DME Bracketed or Light Guyed Towers

DMT	16	18	11-1/16"	13-3/8"	3/16	25
DMS	16	18	14-1/16"	13-1/2"	3/16	24

GOLDEN NUGGET TUBULAR TOWERS



* No concrete base or guy wires required. GN Tower anchors to house with special bracket, which does not damage house.

* A unique welding process is used to join the cross braces to the tower legs with "Everdur" spots, which resemble golden nuggets. These welds are extremely strong and will never rust.

* The 10 foot x 1-1/4" O.D. legs are accurately made on our modern high speed rolling mills using pregalvanized high strength steel. This process gives a heavy coating of zinc inside as well as outside the leg to prevent rust from forming due to condensation.

* Braces and brackets are also heavily galvanized.

* Most makes of rotators can be neatly mounted inside top of tower. Sleeve bearing at top will accept up to 1-1/2" O.D. mast.

* GN Towers are available with strong 18 Ga. legs or heavier 16 Ga. legs.

ANTENNA LOAD LIMITS

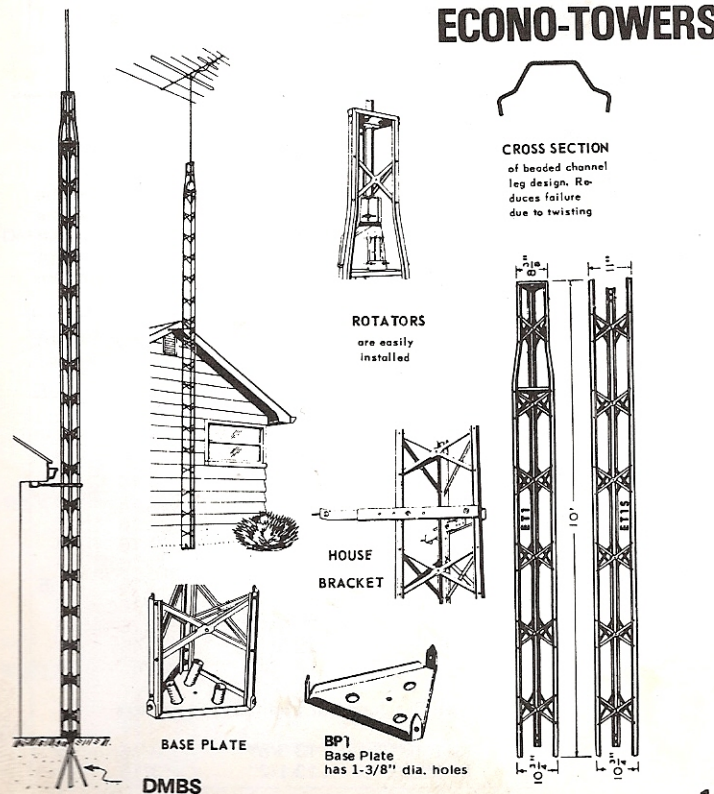
A GN tower is designed to support an antenna load of 3 square feet wind area. This is equivalent to one very large TV/FM antenna or two medium size TV/FM antennas, or one small VHF collinear or one small CB antenna. Ten foot mast is not part of antenna load. Not more than 20 ft. or two sections of tower should be above house bracket. Guy wires must be used if larger loads are required or if cross bar mounted antennas are installed.

NOTE: All GN tower sections are shipped complete with necessary nuts and bolts for the bottom holes of the sections. No. GN18T and GN16T sections come complete with top bearing stub and one mast clamp assembly.

Specifications:

Model No.	Leg Gauge	Cross Brace Gauge	Cross Brace Width	Leg Bolt Size	Weight in lbs.
GN16T	16	16	2-1/8"	3/8" dia. x 2"	32.6
GN16S	16	16	2-1/8"	3/8" dia. x 2"	32.5
GN18T	18	18	2-1/8"	3/8" dia. x 2"	27.4
GN18S	18	18	2-1/8"	3/8" dia. x 2"	27.2
GNHB	Tubular House Bracket with 1" O.D. x 3' legs				6
GNUHB	"U" House Bracket 1-1/2" x 3/16" galv. steel				3.7
GNBP	Base Plate made of 16 gauge galv. steel				3
DMBS	Set of three 1-1/4" O.D. x 3' galv. steel Base Stubs				7.3

ECONO-TOWERS



* One of the most economical towers available.

* No concrete base or guy wires required. Tower anchors to house with special bracket which does not damage house.

* Ideal for houses with gable ends.

* Ten foot sections are precision built and fit together accurately for ease of installation.

* Construction is all steel, heavily galvanized "X" brace design gives greater strength since braces are rivetted in the centre as well as to the 18 gauge open channel legs. No welds to rust.

* All makes of rotators can be easily installed inside tower on rotator plate. Sleeve bearing on top plate supports antenna mast.

ANTENNA LOAD LIMIT.

ET Towers can support a large TV/FM antenna up to 3 sq. ft. wind area. Do not overload. Not more than 17 ft. of tower plus mast should be above house bracket. Use guy wires if greater height and load required.

NOTE: All ET tower sections are shipped complete with necessary nuts and bolts for bottom holes of sections. No ET 1 section comes complete with top bearing plate, rotator plate, two mast clamp assemblies and a short sleeve bearing.

Model No.	Leg Gauge	Cross Member Size	Rivet Dia.	Leg Bolt Size	Weight in Pounds
ET 1	18	18	3/16"	3/8" Dia. x 5/8"	24.2
ET 1S	18	18	3/16"	3/8" Dia. x 5/8"	23.7
HB 1	House Bracket with 16" legs				5.0
HB 2	House Bracket with 28" legs				7.0
BP 1	Base-plate for ET1S made of 18 ge. steel				2.5
DMBS	Set of 3 1 1/4" O.D. x 3' base stubs				7.2

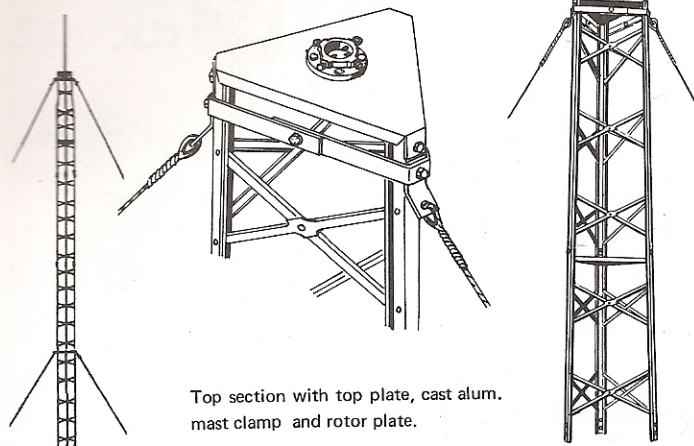
COMMERCIAL GUYED TOWERS



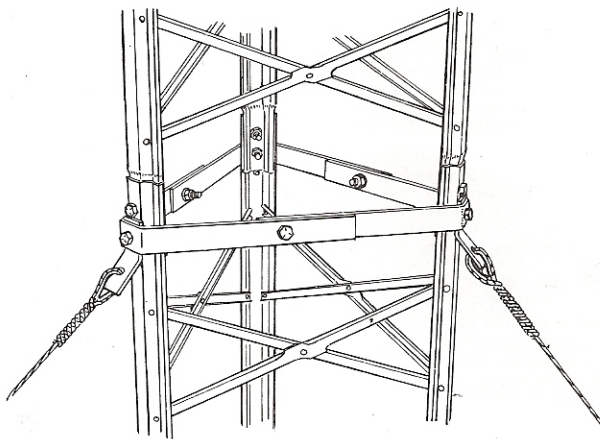
Ideal for supporting Communications, Civil and Amateur antennas

- * Twelve models are available in heights from 62 ft. (8 sections) up to 147 ft. (19 sections) plus mast.
- * Towers are designed to support a net antenna weight of up to 80 lbs. with a horizontal wind load of up to 300 lbs. plus rotor and 2" OD x 10 ft. mast.
- * Instructions are supplied for 30 degree guying with ground anchors 120 degrees apart and about 1/2 tower height from base.
- * Hard Grade 1/4" OD guy wire is recommended, however 3/16" OD can be used.
- * All tower sections are eight feet long with twist reducing beaded-channel legs riveted together with "X" braces. Legs and cross braces are galvanized steel, rivets and solid aluminum, anodized. Special nuts and bolts are 1/2" O.D. and heat treated.
- * No. DMX4T and DMX4 sections are 19" wide and have 16 ga. legs. DMX5 and DMX5S sections are 21-1/2" wide with 14 ga. legs.
- * Straight sections fit smoothly together, since all leg bottoms are accurately swaged for a perfect fit.
- * The three highest towers use tapered sections at the base.
- * Special three-size guy stations are strong and reliable. They are attached every three sections from the base up (except CG-19) and at the top of the tower.

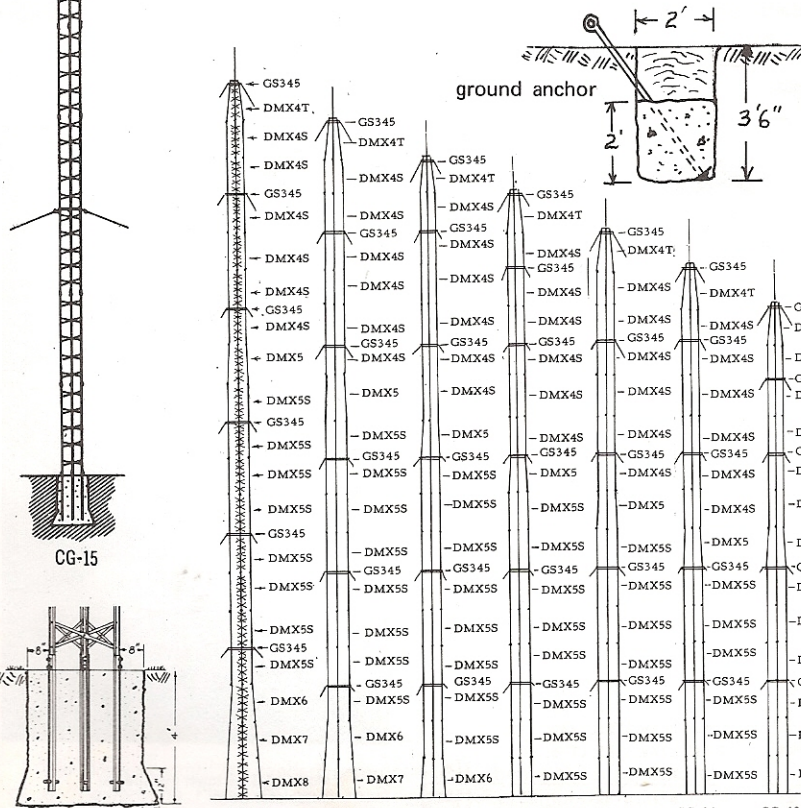
All CG Commercial Guyed Towers are shipped complete with the following items: 8 ft. tower sections, top plate with a No. 244A mast clamp installed, rotor plate with No. 244A clamp installed, guy stations, concrete base stubs, special nuts, bolts and washers.



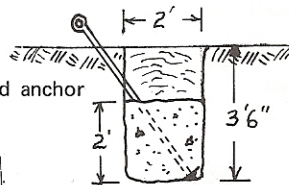
Top section with top plate, cast alum. mast clamp and rotor plate.



Guy Station where sections join.



ground anchor

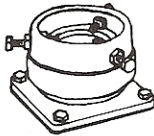


Model No.	Tower Height	Description	Wt. in lbs.
CG-19	147	19 sections, 6 guy stations	1021
CG-18	139	18 sections, 6 guy stations	967
CG-17	131	17 sections, 6 guy stations	908
CG-16	124	16 sections, 6 guy stations	850
CG-15	117	15 sections, 5 guy stations	780
CG-14	109	14 sections, 5 guy stations	601
CG-13	101	13 sections, 5 guy stations	569
CG-12	93	12 sections, 4 guy stations	516
CG-11	85	11 sections, 4 guy stations	481
CG-10	77	10 sections, 4 guy stations	431
CG-9	70	9 sections, 3 guy stations	399
CG-8	62	8 sections, 3 guy stations	354

Parts which may be ordered separately			Wt. in lbs.
DMX4T	Top section with 16 Ga. legs		39
DMX4S	Straight Section with 14 Ga. legs		31
DMX5	Offset section with 14 Ga. legs		42
DMX5S	Straight section with 13 Ga. legs		43
DMX6	Offset section with 13 Ga. legs		56
DMX7	Offset section with 12 Ga. legs		65
DMX8	Offset section with 12 Ga. legs		70
GS345	Three-size guy station		8
CBS5	Set of 3 base stubs for DMX5 section		13
CBS6	Set of 3 base stubs for DMX6 section		13
CBS7	Set of 3 base stubs for DMX7 section		20
CBS8	Set of 3 base stubs for DMX8 section		21
HD Mast	2" O.D. x 12 Ga. x 8' Galv. Mast		18
244A	Cast Alum. clamp for 2.5" O.D. mast		3
BBMB	Ball Bearing Mast Bearing for 2" O.D. mast		2



244A Cast Alum. Mast Clamp



BBMB Ball Bearing Mast Bearing

CONCRETE BASE

Assembly Diagram for all CG Towers

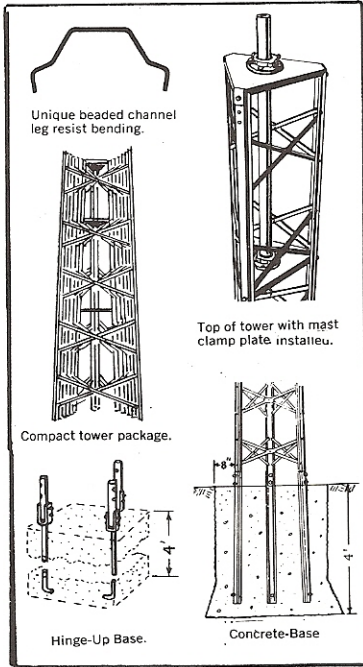
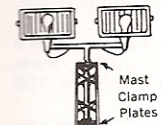
SELF-SUPPORTING "LT SERIES" LIGHTING TOWERS

Lighting towers are available in the following four series, each series number designates the load carrying capabilities. Load figures given are for lights mounted at the top of the tower, and include the weight of mast and fittings. Maximum height available in each series is shown.

(N.B. All ballasts should be mounted at base of tower.)

Model	Series No.	Maximum Height	Maximum Load
LT	1	64'	3 square feet projected area— 60 lb. of weight
LT	2	56'	6 square feet projected area—120 lb. of weight
LT	3	48'	9 square feet projected area—180 lb. of weight
LT	4	40'	12 square feet projected area—240 lb. of weight

FOR PARKS AND RECREATIONAL AREAS, FARMS, INDUSTRY, PARKING LOTS, ETC.



CONSTRUCTION

Towers are manufactured in 8 ft. sections, which nest compactly for shipping and ease of handling and storage.

Legs and braces are manufactured from "Pre-Galvanized" zinc coated steel to A.S.T.M. specification A-93-59T, zinc coated to a minimum thickness of 1.25 oz. per sq. foot.

Rivets are of 18-8 stainless steel. All bolts, nuts and lockwashers are heat treated and heavily zinc plated.

TOP SECTIONS

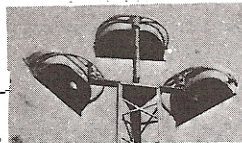
The top section of each tower comes complete with a heavy gauge galvanized mast clamp plate bolted to the top. A similar plate is mounted 26" from the top on 1T and 2T sections, 41" from the top on 3T and 4T sections. Each plate has a heavy duty cast aluminum mast clamp that will accept masts up to 2 1/2" O.D.

BASES - CONCRETE

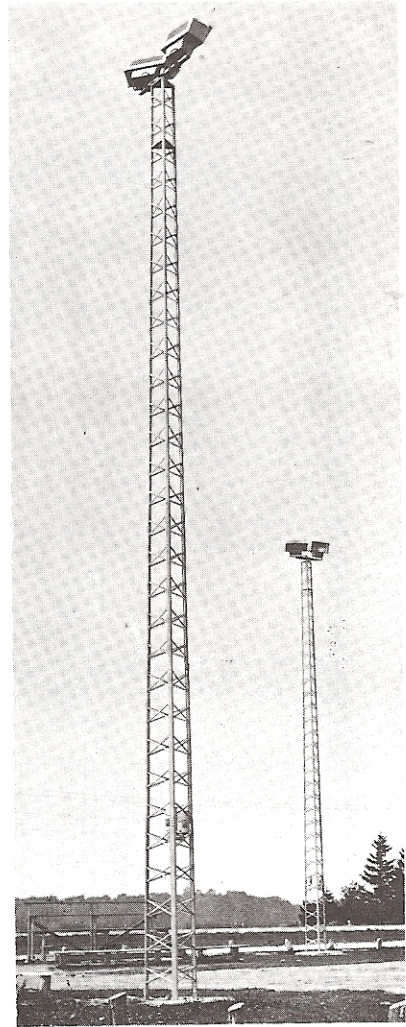
Each tower is shipped with 3 concrete-base stubs. It is recommended that a square hole be dug 4 feet deep and 8" wider at top on each side than the width of the base section of the tower. Hinge-up base stubs are also available for use in concrete. These are recommended where facilities are available for raising or lowering complete tower. On parking lot installations, all concrete bases should extend past bumper height.

CLIMB SHIELDS (Also used to enclose ballasts)

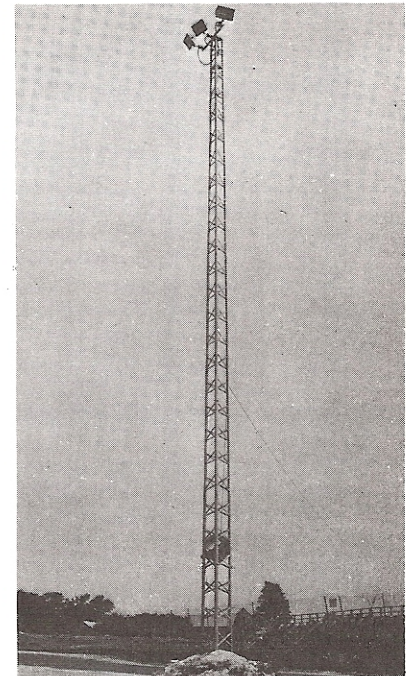
Shields are manufactured from 16 gauge galvanized sheet and are fastened to the braces with sheet metal screws. When ordered with tower, all holes are pre-drilled. Shields are 8 feet high.



Installing three lights on a Model LT-4-40 tower.



Model LT-3-48 towers installed at a ball park.



Model LT-1-48 tower installed at a stock car track.

SPECIFICATIONS OF SECTIONS

Section No.	Leg Gauge	Cross Brace Gauge	"A"	"B"	Rivet Dia.	Weight in Lbs.
LTX 1T	16	18	12 1/2	10	3/16	26
LTX 2	16	18	14 3/4	12 3/4	3/16	23
LTX 2T	16	18	14 3/4	12 3/4	3/16	28
LTX 3	16	18	17	15	3/16	26
LTX 3T	16	18	17	15	3/16	34
LTX 4	16	16	19 1/2	17 1/2	3/16	31
LTX 4T	16	16	19 1/2	17 1/2	3/16	41
LTX 5	14	14	22	19 3/4	3/16	46
LTX 6	13	14	24 3/8	22 3/8	3/16	55
LTX 7	12	14	26 7/8	24 3/4	1/4	63
LTX 8	12	14	29 3/8	27 1/4	1/4	68

Section Nos. ending in T are top sections which have two mast clamp plates installed.

ACCESSORIES WHICH MAY BE ORDERED SEPARATELY

Model	Description	Weight in Lbs.
HUB 3-6	Hinge-up-base for concrete fit sections LTX3 thru LTX6	20
HUB 7-8	fit sections LTX7 and LTX8	24
CS-LTX-3	Climb Shields 16 ga. x 8' high to fit LTX-3 section	75
CS-LTX-4	to fit LTX-4 section	88
CS-LTX-5	to fit LTX-5 section	100
CS-LTX-6	to fit LTX-6 section	110
CS-LTX-7	to fit LTX-7 section	120
CS-LTX-8	to fit LTX-8 section	140

LT SERIES TOWERS

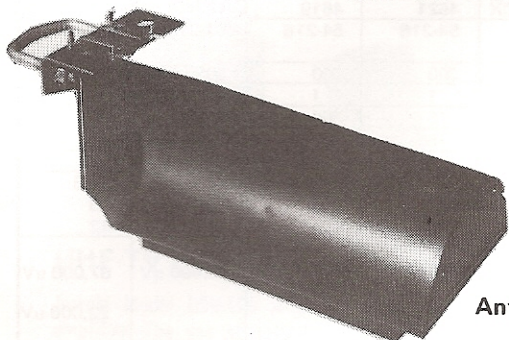
LT Series Towers are shipped complete with 8 ft. tower sections, 2 mast clamp plates installed in top section, 3 cement base stubs, plus special bolts, nuts and washers.

Model	Height	Sections Supplied	Weight in Lbs.
LT-1-24	24'	LTX1T, LTX2, LTX3	86
LT-1-32	32'	LTX1T, LTX2, LTX3, LTX4	118
LT-1-40	40'	LTX1T, LTX2, LTX3, LTX4, LTX5	165
LT-1-48	48'	LTX1T, LTX2, LTX3, LTX4, LTX5, LTX6	223
LT-1-56	56'	LTX1T, LTX2, LTX3, LTX4, LTX5, LTX6, LTX7	291
LT-1-64	64'	LTX1T, LTX2, LTX3, LTX4, LTX5, LTX6, LTX7, LTX8	359
LT-2-24	24'	LTX2T, LTX3, LTX4	97
LT-2-32	32'	LTX2T, LTX3, LTX4, LTX5	144
LT-2-40	40'	LTX2T, LTX3, LTX4, LTX5, LTX6	202
LT-2-48	48'	LTX2T, LTX3, LTX4, LTX5, LTX6, LTX7	270
LT-2-56	56'	LTX2T, LTX3, LTX4, LTX5, LTX6, LTX7, LTX8	338
LT-3-24	24'	LTX3T, LTX4, LTX5	124
LT-3-32	32'	LTX3T, LTX4, LTX5, LTX6	182
LT-3-40	40'	LTX3T, LTX4, LTX5, LTX6, LTX7	250
LT-3-48	48'	LTX3T, LTX4, LTX5, LTX6, LTX7, LTX8	318
LT-4-24	24'	LTX4T, LTX5, LTX6	158
LT-4-32	32'	LTX4T, LTX5, LTX6, LTX7	226
LT-4-40	40'	LTX4T, LTX5, LTX6, LTX7, LTX8	294

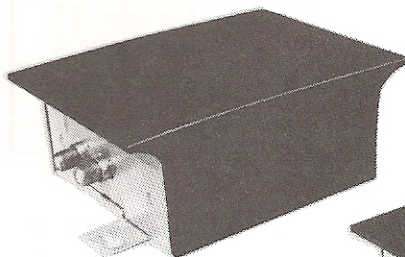
Powermate Plus

ANTENNA PREAMPLIFIERS

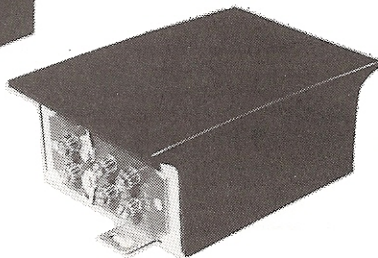
AMPLIFY DISTANT TV/FM SIGNALS WHERE IT COUNTS



Antenna Preamplifier



75 ohm Power Supply



300 ohm Power Supply

EASY INSTALLATION

Installations are quick and easy with Powermate Plus preamplifiers. The weatherproof outside unit can be mounted to antenna boom, mast, under eaves or on a wall. For maximum benefit from the preamplifier, keep it as close as practical to the antenna. Lead-in should be supported near preamplifier with standoffs to prevent lead-in from whipping in the wind.

LIGHTNING PROTECTION

Lightning and static surge protection circuitry is incorporated in all models. Only antennas with grounded harness should be used with these preamplifiers. All Delhi and Jerrold antennas have grounded harnesses.

OVERLOAD CAPABILITY

All models are specially engineered to withstand overloading from local TV stations. Models with extra high overload capability are 4877, 4877-2, 4837, and 4837-2 which can be used in reception areas as close as five to ten miles from a powerful transmitter. Other models can be safely used in areas over forty miles from transmitter.

FM TRAP

In some areas, local FM stations cause interference, which is detected by a herringbone pattern on the TV screen. Interference from a single FM station can be eliminated by tuning the FM trap built into all preamplifiers using a plastic screwdriver. Interference from multiple FM stations would require a 3006 or 7506 FM trap just ahead of the preamplifier to correct the condition.

CB FILTERING

Input and output circuits are high pass filtered to protect against CB (Citizen's Band) and other sub-channel interference.

POWERCASTER Model 4287-PCX

The "Powercaster" is a tandem preamplifier combining the functions of a "Powermate Plus" 75 ohm mast mounted preamplifier and a "Colorcaster Plus" 75 ohm amplifier. "Powercaster" has exceptionally high gain, making it ideal for small MATV systems in fringe areas.

FEATURES

- * High gain with flat frequency response
- * Excellent skirt selectivity
- * Low noise figure
- * Lightning and induced current protection
- * Extremely stable circuitry from -40°C to +60°C
- * Easy universal mounting
- * FM trap – tuneable from 88 to 108 MHz
- * CSA approved power supplies

WHY A PREAMPLIFIER?

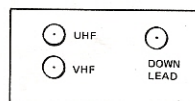
In areas where some or all TV channels are weak, it is very important to make the most of signals received by the antenna. Jerrold's antenna or mast mounted Powermate Plus preamplifiers boost weak signals right at the antenna, before cable losses can render them unusable. Seven models use 75 ohm coaxial cable download, since cable is the finest, longest lasting, most noise rejecting wire for color TV sets, but it has relatively high signal loss per meter. A preamplifier cannot make an unusable, snowy picture perfect, but it can increase contrast, reduce fading and loss of color, overcome cable losses and permit feeding more than one TV set from the same antenna in a fringe reception area.

DESCRIPTION

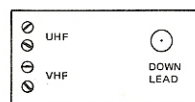
Powermate Plus preamplifiers consist of a signal amplifier mounted as close to the antenna as practical and a power supply placed near a TV set. They are connected to each other by a 75 ohm cable or a 300 ohm ribbon lead depending on the model. The power supply sends a small voltage up the wire to operate the amplifier, which then sends the amplified signal to the power supply outputs and on to the TV/FM set or sets. Preamplifiers can be used on multi-channel as well as single channel antennas.

"Powermate Plus" preamplifiers can be connected to "Colorcaster Plus" amplifiers for operating up to 24 TV sets or outlets.

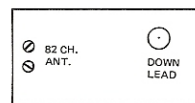
Shown below are the bottom plates of antenna preamplifiers.



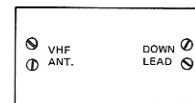
4877-2



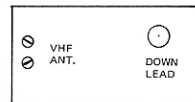
4837-2



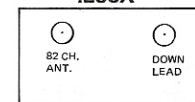
4837
4837-17
4827-PCX



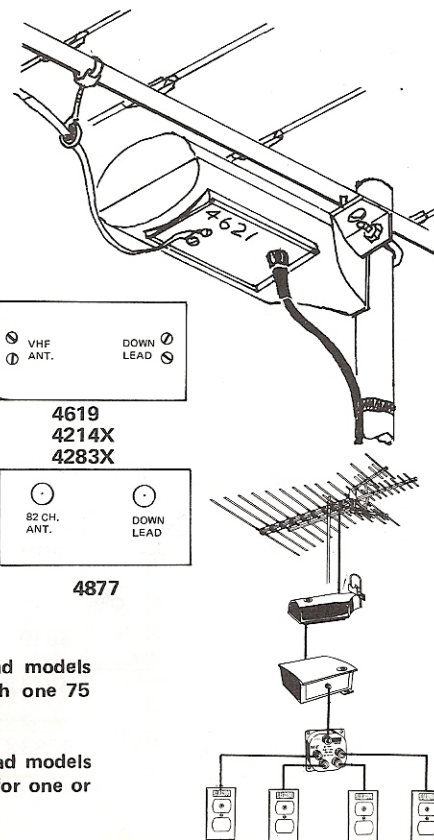
4619
4214X
4283X



4621

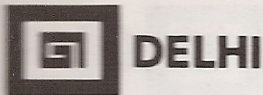


4877



* All 75 ohm download models have power supply with one 75 ohm out.

* All 300 ohm download models have 300 ohm output for one or two sets.



ANTENNA PREAMPLIFIERS

SPECIFICATIONS - Powermate Plus Antenna Preamplifiers

Band		82 Channel					VHF			82 ch.	
Model Number		4877	4877-2	4837	4837-2	4837-17	4287-PCX	4621	4619	4214X	4283X
Frequency Range	VHF	54-216	54-216	54-216	54-216	54-216	54-216	54-216	54-216	54-216	54-216
	UHF	470-890	470-890	470-890	470-890	470-890	470-890	470-890			470-890
Input Impedance (n)		75	75	300	300	300	300	300	300	300	300
Number of Inputs		1	2	1	2	1	1	1	1	1	1
Downlead Impedance (n)		75	75	75	75	75	75	75	300	300	300
Power Supply Output imped. (n)		75	75	75	75	75	75	75	300	300	300
No. of Outputs		1	1	1	1	1	1	1	2	2	2
Gain (dB)	VHF	12	12	12	11	15	24	15.0	13.5	15.5	14.5
	FM	11	11	11	11	13.5	10	13.5	13.5	3	3
	UHF	14	15	12	13	12	21	---	---	---	12
Input Capability	7 VHF chs. 3 Lo, 4 Hi	34 dBmV	34 dBmV	100,000 uV	100,000 uV	42,000 uV	12,600 - 67,000 uV	42,000 uV	42,000 uV	33,600 uV	67,000 uV
	5 UHF chs.	20 dBmV	20 dBmV	23,000 uV	23,000 uV	23,000 uV	6,300 - 22,000 uV				22,000 uV
Noise Figure (dB)	VHF Lo	6	6	6	6	6	5.2	6	6	7	5.2
	FM	6	6	6	6	6	5.2	6	6	7	5.2
	VHF Hi	9	9	9	9	9	5.8	9	9	6	5.8
	UHF	10	10	10	10	10	7.7	---	---	---	7.7
FM trap Attenuation (dB)		23 min.	23 min.	23 min.	23 min.	23 min.	12	23 min.	23 min.	12	12
Dimensions		All units same size - Preamp. 8" x 2-9/16" x 3-7/8" (20.3 cm. x 6.44 cm. x 9.84 cm.) Power Supply 4" x 6" x 2 1/2" (10 cm. x 15.2 cm. x 5.7 cm.)									
Shipping Weight		All Units Preamplifier and Power Supply 1 lb. 12 oz. (792 gm.)									

NOTICE

Balance in amplifier performance is extremely important in to-day's requirements. Gain alone is insufficient without high input capability to cope with the varied signal levels found in the majority of areas.

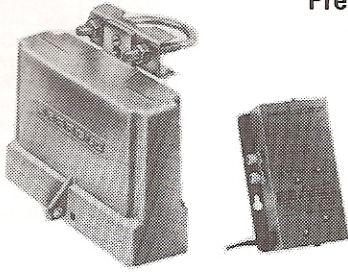
An 82 channel preamplifier or amplifier should always be considered even in VHF only areas, since it is probable that UHF channels will become available in the near future.

Powermate PlusTM PREAMPLIFIER SELECTION CHART

Desired Bands	Antenna Input to Preamp. (ohms)	Recommended Model	Type of Reception area	Gain in dB.		Possible Interference	Output from Power Supply (ohms)	Notes
				VHF	UHF			
75 Ohm Down-Lead Models for areas subject to powerline and ignition interference.								
VHF, FM, UHF	Single 75	4877	Near Fringe to Fringe	12	14	Nearby TV or FM station. (Within 5 to 10 miles) If there is any doubt about possible overloading, it is best to choose one of these four preamplifiers with high overload capability. Local TV or FM stations. (Within 40 miles) These three models and the two below should be safe from overloading if 40 miles or more from transmitters.	Single 75	Single 75 ohm input from 82 ch. antenna
VHF, FM, UHF	Dual 75	4877-2	Near Fringe to Fringe	12	15		Single 75	Dual 75 ohm inputs from separate VHF & UHF antennas
VHF, FM, UHF	Single 300	4837	Near Fringe to Fringe	12	12		Single 75	Single 300 ohm input from 82 ch. antenna
VHF, FM, UHF	Dual 300	4837-2	Near Fringe to Fringe	12	13		Single 75	Dual 300 ohm inputs from separate VHF & UHF antennas.
VHF, FM, UHF	Single 300	4837-17	Deep Fringe	15	12		Single 75	Higher VHF gain. Single 300 ohm input.
VHF, FM, UHF	Single 75	4287-PCX Power Caster	Deep Fringe	24	21		Single 75	Combines Preamplifier with distribution amplifier for operating up to 24 sets.
VHF, FM	Single 75	4621	Deep Fringe	15	--		Single 75	Single 75 ohm output. Does not pass UHF
300 Ohm Down-Lead Models for areas removed from powerline and ignition interference.								
VHF, FM	Single 300	4619	Deep Fringe	13.5	--	Local VHF TV or FM stations	One or two 300	Does not pass UHF, 2-set output. 300 ohm
VHF, FM,	Single 300	4214X	Deep Fringe	14.5	--	Local VHF TV or FM stations	One or two 300	Does not pass UHF 2-set output. 300 ohm
VHF, FM, UHF	Single 300	4283X	Deep Fringe	14.5	12	Local VHF TV or FM stations	One or two 300	2-set output. 300 ohm

De-SnowTM

Preamplifiers of Professional Quality and Performance



UHF-TV Broadband *DSU-105 75-ohm*

Jerrold Model DSU-105 is a high-gain, low-noise, 75-ohm UHF-TV preamplifier. The use of unique stripline constructed transistors with low radial lead inductance optimizes noise figure over the UHF band. Housed in a rugged mast mounting aluminum casting, the preamplifier is ready for immediate installation. An indoor mounting power supply Model 105 is also supplied. 75-ohm input. Four F-659 connectors supplied.

VHF-TV/FM Broadband *DSB-107L 75-ohm*

Jerrold's new DSB-107 is a high output VHF preamplifier with the added feature of a built-in tunable FM trap. Gain: 28 dB. Output capability at +40 dBmV per channel for 7 channels at -46 dB cross-modulation, is sufficient to drive a small distribution system. The FM trap may be tuned to insert 10 dB of attenuation on a band 1.25 MHz wide within the FM band. If there is no strong FM station causing interference, the trap can be tuned out of the FM band. Uses remote power supply, Model 107. Lightning protected. 75-ohm input. Four F-659 connectors supplied.

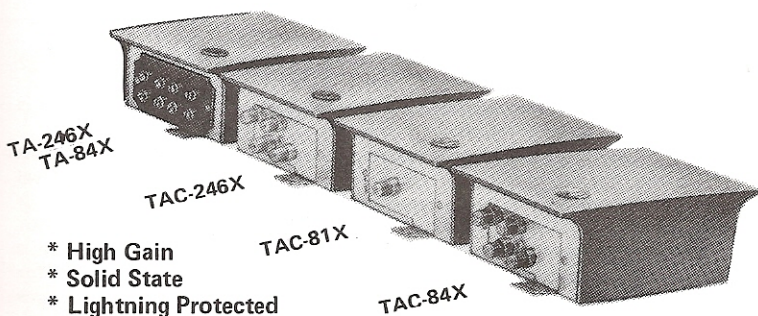
VHF/FM Single Channel *DSS-Series 75-ohm*

The new "De-Snow" DSS-Series is Jerrold's highest gain line of single-channel preamplifier systems. Models DSS-2 through DSS-13 for VHF television channels, and Model DSS-FM for the full FM radio band. These systems are used with cut-to-channel antennas such as Jerrold J-55 and J-105-Series. Ruggedized Antennas for large MATV systems in fringe to extreme fringe locations. The preamplifier is enclosed in a weatherproof aluminum housing which has a universal bracket for either mast or indoor mounting. When ordering, specify channel number or FM.

Models	Frequency Range (MHz)	Gain (dB)	Noise Figure (dB)	Frequency Response (dB)	Max. Output Each Channel (dBmV)	Minimum Input (for 30 dB C/N in dBmV)	Impedance (All Terminals)	Match (dB)	Power Supply Model	Power Consumption Watts
DSB-107L	54-216	28	6.5 (lo) 6.0 (Hi)	±.75	+40 (7 ch. -46 dB Xmod)	-22.5 (lo) -23 (hi)	75	12	107	5
DSS-(*)	TV: 6 FM: 20	30 30	4.0 4.5	±.75	+54 (5% sync clip) +45 (3 ch. 3rd order -40)	-25	75	In: 7 Out: 10	105	5
DSU-105	470-800 800-890	26 23	470: 6.5 800: 7.0 890: 7.5	±1.25	+40 (3 ch. -46 dB Xmod)	-22	75	6	105	5

*Specify TV channel number or FM.

Colorcaster PlusTM



Home and Small Systems Amplifiers

Jerrold "Colorcaster Plus" system amplifiers provide linear amplification of television signals giving vivid color and sharp crisp black and white TV. Each amplifier exhibits higher input and output capability, lower noise figures, high gain and lightning protection. Also, featured in these amplifiers are FM Band Filters which reduce the entire FM band by 12 dB. This FM reduction plus the X-tra output capability eliminates the possibility of FM overload, even in the strongest FM area. Lightning protection circuitry is designed into the units to protect the amplifiers from static buildup or lightning.

75 ohm coaxial cable is much better than 300 ohm twin-lead for wiring a home, since it is unaffected by nearness of metal, resists pick-up of interference or electrical noise and is unaffected by moisture or dirt. We recommend CAC-6 or CAC-59 coloraxial cable for the finest color TV picture.

Typical applications: dealer showrooms, home systems, apartments, motels and extensions of existing MATV systems. Full specifications are given below:

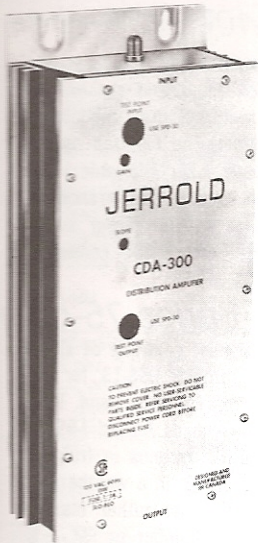
- * High Gain
- * Solid State
- * Lightning Protected
- * FM Band Filter
- * 300 and 75 ohm Models

SPECIFICATION - Colorcaster Plus - small system amplifiers

Band	82 Channel		VHF	82 Channel	VHF
Model Number	TAC-81X	TAC-84X	TAC-246X	TA-84X	TA-246X
Frequency Range (MHz)	54-216, 470-890	54-216, 470-890	54-216	54-216, 470-890	54-216
Number of Outputs	1	4	4	4	4
Input and Output impd (ohms)	75	75	75	300	300
Gain (dB)	single output	VHF 16 Lo, 15 Hi FM 3 UHF 13			
	4 outputs for 4 sets		VHF 7.5 Lo, 6.5 Hi FM - 4.5 UHF 4.5	VHF 7.5 Lo, 6.5 Hi FM - 4.5 UHF 3.5	VHF 7.5 Lo, 5.5 Hi FM - 4.5 UHF 3.5
Output Capability					
Xm @ - 46 dB	VHF (7 Ch.) UHF (5 Ch.)	46 dBmV 35 dBmV	38 dBmV N.A.	114,000 uV 27,000 uV	114,000 uV N.A.
Noise Figure (dB) Maximum	VHF UHF	4.5 9	4.5 N.A.	5.5 10	5.5 N.A.
Isolation Between Outputs	N.A.	15 dB	15 dB	15 dB	15 dB
Dimensions & Shipping Wt.	ALL models 4" x 6" x 2 1/4" (10.16 cm. x 15.24 cm. x 5.71 cm.) s.w. 1 lbs. 6 oz. (620 gm.)				

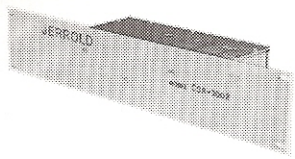
VHF/FM DISTRIBUTION AMPLIFIERS

CDA-300 SERIES VHF PUSH-PULL CATV DISTRIBUTION AMPLIFIERS



MODEL CDA-300-R

Model CDA-300-R is a rack mounted version of the CDA-300.* Unit can be used as post amplifier to trunk system or simply as distribution amplifier from head end.



CDA-300-28
CDA-300-43

FEATURES

- High Gain
- High Output
- Total Integrated Circuit
- Rack Mounted
- Low Noise
- Excellent Flatness
- Gain Controls
- Tilt Controls
- Plug in Pads

MODEL CDA-300-*

Model CDA-300-* is compatible with cable feed systems in apartment houses and institutions and is powered by any 115 volt 60 cycle source.

Equalizers	Models SEE-300-6, -12, or -20 Models SEE-260-6, -12, or -20 Models SEE-220-6, -12, or -20
Plug-in Pads	Models SXP-3, -6, -9, -12,
Test Adapter	Model SPD-30



SEE-300-6



SXP-*



Model SPD-30

DESCRIPTION

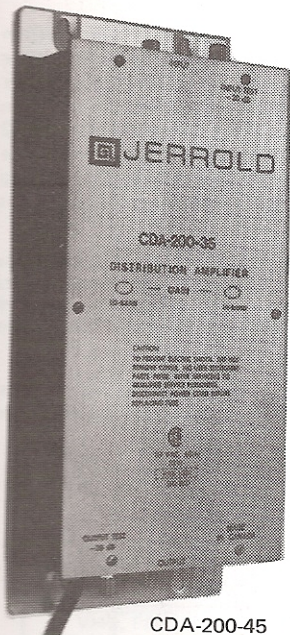
The CDA-300 series are high gain, push-pull, broad-band internal distribution amplifiers for feeding an MATV system from a CATV system. The units amplify signals in the 40 to 300 MHz spectrum and have an output capability of at least 50 dBmV per channel in a 35-channel system. Built-in GAIN and SLOPE controls permit output level adjustments as required by system conditions. A plug-in equalizer at the input permits equalization of the preceding cable span. Input and output test terminals permit measuring signal levels during operation without having to disconnect the cables.

TECHNICAL SPECIFICATION

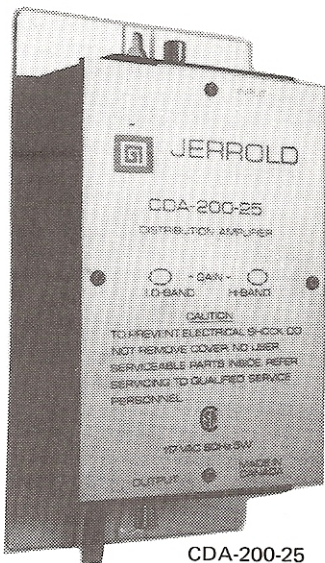
MODEL	CDA-300-28 CDA-300-28R	CDA-300-43 CDA-300-43R
Pass Band	40 to 300 MHz	
Response Flatness	+0.5 dB maximum	
Minimum Full Gain	28 dB (without equalizer)	43 dB (without equalizer)
Maximum Noise Figure	11 dB (full gain, no pads)	8.5 dB (full gain, no pads)
Maximum Output	5.0 Volts (+7.4 dBmV) one channel for 5% sync pulse compression	
Output Capability for -57 dB cross modulation with 6 dB slope:		
per channel for 12 channels	54 dBmV	
per channel for 30 channels	51 dBmV	
per channel for 35 channels	50 dBmV	
Gain Control Variable	0 - 10 dB	
Gain Control Fixed	3, 6, 9 or 12 dB plug-in pads available	
Slope Control Variable	0 - 8dB minimum cable at 300 MHz	
Slope Control Fixed	6, 12, & 20 dB plug-in cable equalizer boards available 40 to 220, 40 to 260, or 40 to 300 MHz	
Distortion Characteristics:		
Cross Modulation	at least -57 dB below output levels stated	
Second Order Beat at 50 dBmV out	-66 dB	
Composite Triple Beat at 48 dBmV out (35 channels) *	-57 dB	
Hum Modulation	-70 dB minimum	
Input/Output Impedance	75 ohms nominal	
Input Return Loss	16 dB minimum	
Output Return Loss	16 dB minimum	
Input/Output Connectors	Type "F"	
Surge Protection	Gas diode on input, 145 V d.c. strike	
Power Supply	Regulated, Factory set 24.3 V d.c.	
Test Points	-30 dB input and output using SPD-30 test probe	
Operating Temperature	-25 to +50°C	
Power Requirements	120 VAC, 60 Hz, 15 W, 3 wire line cord	
Options	Rack mounted model CDA-300-28R Rack mounted Model CDA-300-43R	
Accessories	Equalizers type: SEE-300-6, -12 or -20 SEE-260-6, -12 or -20 SEE-220-6, -12 or -20 Plug-in Pads type: SXP-3, -6, -9 or -12 Test Adapter type: SPD-30	

* Measured with c.w. signals and spectrum analyzer

CDA-200 SERIES VHF SPLIT-BAND DISTRIBUTION AMPLIFIERS



CDA-200-45
CDA-200-35



CDA-200-25

FEATURES

- * High Gain
- * High Output
- * Total Integrated Circuit
- * Low Noise
- * Excellent Flatness
- * Gain Controls

CSA approved.

DESCRIPTION

The CDA-200 series are high gain, broadband internal distribution amplifiers for MATV systems.

The units amplify signals in the 40-216MHz spectrum. FM band is sloped to reduce overload.

A split-band design with separate Lo-Band and Hi-Band gain controls which are accessible after removal of top cover, permit output level adjustments as required by system considerations. Input and Output test points allow measuring signal levels during operation without having to disconnect the cables. The amplifiers are contained in a well-shielded, flat surface mounting aluminum housing designed for maximum heat dissipation. All terminals have an impedance of 75 ohms and will accept F-type cable connectors.

SPECIFICATIONS

Model	CDA-200-45	CDA-200-35	CDA-200-25
Function	12 Channel Split-Band MATV Distribution Amplifier		
Frequency Range	54-108MHz Lo-Band 174-216MHz Hi-Band FM Sloped to Reduce Overload		
Response Flatness	+ 0.5dB Maximum		
Minimum Full Gain	45	35	25
Noise Figure	Lo-Band 7.5dB Hi-Band 9.5dB		Lo-Band 6.5dB Hi-Band 7.5dB
Gain Control Range	Separate Hi and Lo-Band Gain Control 6dB minimum		
Output Capability @ X _m =46dB			
12 ch. (5 Lo, 7 Hi)	44dBmV		38dBmV
7 ch. (3 Hi, 4 Lo)	47dBmV		41dBmV
Maximum Output - one channel at 5% sync pulse compression	66dBmV		
Minimum Recommended input	For S/N = 40dB - 12dBmV Lo-Band - 10dBmV Hi-Band		For S/N = 35 56dBmV
Hum Modulation	-60dB		
Input/Output Impedance	75 OHMS		
Input Return Loss	14dB		
Output Return Loss	14dB min.		
Input/Output Connector	Type F		
Operating Temperature	-25°C +50°C		
Power Requirements	120 Volts A.C., 60Hz, 5 Watts		
Physical Dimensions	5.25 x 12 x 2.06"		4.5 x 8.25 x 2.06"
Weight	1 lb. 8 oz.		1 lb. 5 oz.

ORDERING INFORMATION You Require You Order

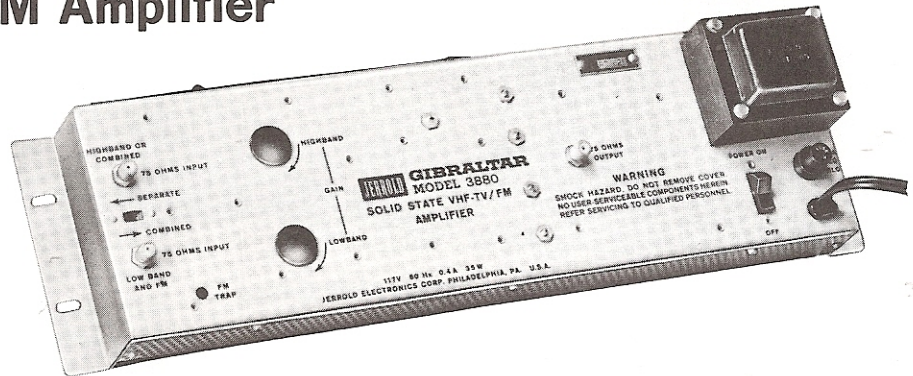
Amplifier 25dB	CDA-200-25
Amplifier 35dB	CDA-200-35
Amplifier 45dB	CDA-200-45

Gibraltar VHF-TV/FM Amplifier

Model 3880

Features

- High Output—1 Volt for Each of Seven Channels
- Stud-Mounted Transistors Assure Reliable Operation in High Temperatures
- Tunable FM Trap
- High Gain—55 dB
- Diode Lightning Protection
- Switchable Combined or Separate Inputs



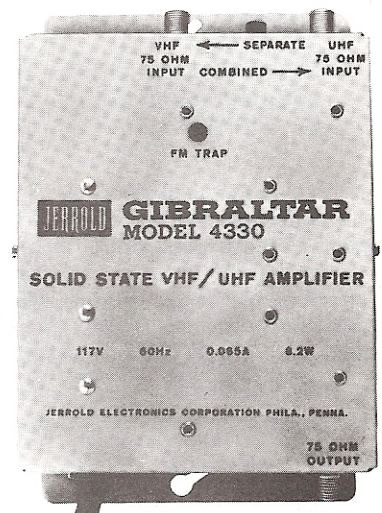
The Jerrold Model 3880 is a super-high gain and output VHF-TV/FM, split-band, solid-state amplifier for use in high-power VHF-TV/FM distribution systems. Special features include separate VHF low band and VHF

high band inputs, a switch for combining the inputs, variable gain control for each band, lightning protection of the low band input and a tunable FM trap.

Gibraltar All-Channel Amplifier

Model 4330

Model 4330 provides amplification of VHF-TV, FM and UHF-TV signals (color and black & white) for medium-sized MATV systems. Since the transistors used are of unique stripline construction with low inductance radial leads, the amplifier gain is optimum over the entire UHF band. Switch-selected input allows either a single all-channel input, or separate VHF and UHF inputs. Duo-diode lightning protection and tunable FM trap are additional salient features. Self-contained power supply permits direct operation from 117 V, 60 Hz.



Features

- Tunable FM Trap
- Diode Lightning Protection
- Flat Response ± 1.5 dB thru UHF
- Separate or Combined Band Inputs

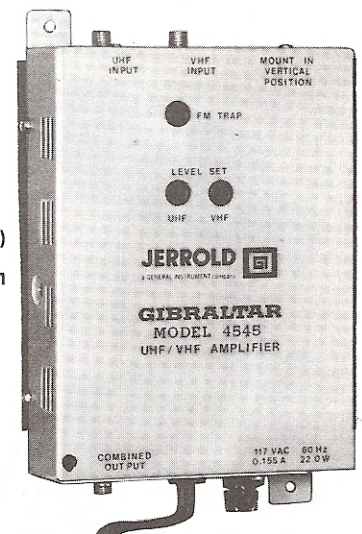
Specifications — Gibraltar Series

MODEL NUMBER	4545	4330	3880
FREQUENCY RANGE (MHz)	54-216, 470-806	54-216, 470-890	54-108, 174-216
GAIN (dB)	VHF: 33, UHF: 36	VHF: 22, UHF: 26	55
GAIN CONTROL RANGE (dB)	10, Continuous Separate VHF and UHF	N/A	10
OUTPUT CAPABILITY (dBmV per ch.) at less than 0.5% (-46 dB) cross mod.	VHF: +42, 7 ch. UHF: +45, 5 ch.	VHF: +35, 5 ch. UHF: +40, 3 ch.	+60, 7 ch.
IMPEDANCE (ohms)	75	75	75
NOISE FIGURE (dB)	VHF: 7.0 UHF: 9	VHF: 7.5 UHF: 8	8
FM TRAP (dB)	10, tunable	10, tunable	10, tunable
FLATNESS OF RESPONSE (dB across band)	VHF: ± 1 UHF: ± 1.5	VHF: ± 1 UHF: ± 1.5	± 0.5
MATCH (dB): Input Output	VHF: 12, UHF: 10 VHF: 12, UHF: 8	VHF: 6, UHF: 6 VHF: 14, UHF: 6	14 14
POWER REQUIREMENT (W) @ 117 VAC, 60 Hz	22	8.2	35
DIMENSIONS (inches) L x W x D	9 1/4" x 6" x 2" (23.5 cm x 15.2 cm x 5 cm)	7 3/8" x 5 1/4" x 1 1/2" (18.7 cm x 13.3 cm x 3.8 cm)	19" x 5 1/4" x 3 1/2" (48.3 cm x 13.3 cm x 8.9 cm)
SHIPPING WEIGHT (lbs.)	2 1/2 (1.14 kg)	1 1/2 (.677 bg)	7 (3.18 kg)
CONNECTORS SUPPLIED	3, F-659	3, F-659	3, F-659

Model 4545

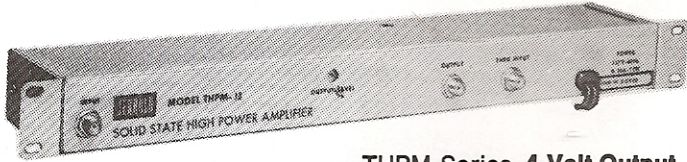
Features

- High Gain (36 dB UHF, 33 dB VHF)
- Separate 10 dB VHF and UHF Gain Controls
- High Output Capability
- Tunable FM Trap
- Diode Lightning Protection



The new Jerrold Model 4545 is an all-channel amplifier for Master Antenna Systems where UHF signals are to be distributed on channel. This compact amplifier features high output capability of 42 dBmV each channel for 7 channels on VHF and 45 dBmV for 5 channels on UHF. Separate VHF and UHF band controls provide 10 dB of smooth adjustment to the amplifier gain. Built-in Gibraltar features include lightning protection and field tunable FM trap.

THPM-SERIES —SOLID STATE 4.0 VOLT TV AGC



THPM-Series, 4-Volt Output

FEATURES

- STABLE HIGH OUTPUT
—4 VOLTS (+72 dBmV)
- MATCHED INPUT & OUTPUT
- REVERSIBLE BRACKETS FOR RACK, CABINET, OR SURFACE MOUNT
- HIGH GAIN—55 dB
- AUTOMATIC GAIN CONTROL—20 dB RANGE

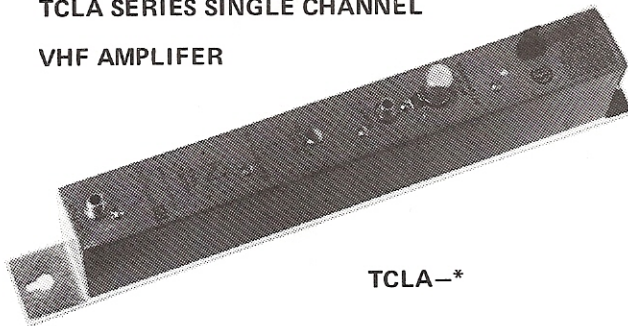
Jerrold's THPM amplifiers are a series of VHF, single-channel AGC units for the distribution of TV and FM signals in large TV systems. These outstanding amplifiers meet Jerrold's stringent requirements of linear output capability, match and AGC in a new solid-state design with mounting flexibility. Thirteen different models are available: THPM-2 through THPM-13 for VHF-TV channels and THPM-FM for the FM band.

SPECIFICATIONS

SPECIFICATION	FM STRIP	LO TV STRIP	HI TV STRIP
Frequency Range	88-108 MHz	6 MHz within 54 to 88 MHz	6 MHz within 174 to 216 MHz
Frequency Response	± 1 dB to ± 3 dB, 88-92 MHz ± 0.5 dB, 92-108 MHz	± 0.75 dB	± 1 dB
Bandwidth	20 MHz	6 MHz	6 MHz
Skirt Sharpness	82 MHz, -25 dB	-28 dB*	-26 dB*
Maximum Gain	45 dB	55 dB	55 dB
Typical Operating Gain	35 dB	45 dB	45 dB
Impedance	75 ohms	75 ohms	75 ohms
VSWR (input, output)	1.67:1 dB in, 1.92:1 dB out	1.50:1 dB	1.50:1 dB
Output Capability	1 volt per channel for each of 3 channels, for third order beats down 40 dB minimum	4.0 volts (+72 dBmV) at 0.5 dB sync compression	4.0 volts (+72 dBmV) at 0.5 dB sync compression
Output Range	+48 dBmV to +60 dBmV	+60 dBmV to +72 dBmV for full AGC action	+60 dBmV to +72 dBmV for full AGC action
AGC Action	N/A	1 dB out for 20 dB input change	1 dB out for 20 dB input change
AGC Range	N/A	20 dB	20 dB
Power Consumption	12 watts	12 watts	12 watts
Power Source	115 V, 60 Hz	115 V, 60 Hz	115 V, 60 Hz
Mounting	19" rack	19" rack	19" rack
Dimensions (Panel)	19" x 1 3/4"	19" x 1 3/4"	19" x 1 3/4"
Depth	3" or 0 (depends on configuration of mounting brackets)		

*9 MHz off center frequency.

TCLA SERIES SINGLE CHANNEL VHF AMPLIFIER



TCLA-*

CSA approved

The TCLA amplifiers may be installed on a suitable housing or mounted on a plywood panel with the supplied wood screws. The mounting hole centers are 14-1/2". The center to center spacing between amplifiers is 2". The recommended installation method is to mount the strips in order of channel. The FM and low band channel outputs are jumpered directly to a model AMN-LO and the high band outputs are jumpered to a model AMN-HI.

A 7516 is used to combine the AMN-LO & HI outputs.

The TCLA-* is a single channel VHF amplifier especially designed for the MATV system. Air signals are amplified by individual channel amplifiers and the attenuators adjusted to provide the desired output level for each channel.

The TCLA-FM is a 40 dB variable gain amplifier covering the complete FM band of 88 - 108 MHz.

The TCLA-PFM provides partial coverage of the FM band, 92 - 108 MHz. When channel 6 is being processed it is necessary to use the TCLA-PFM for FM applications to provide the necessary isolation between FM and channel 6.

*Specify TV Channel

SPECIFICATIONS

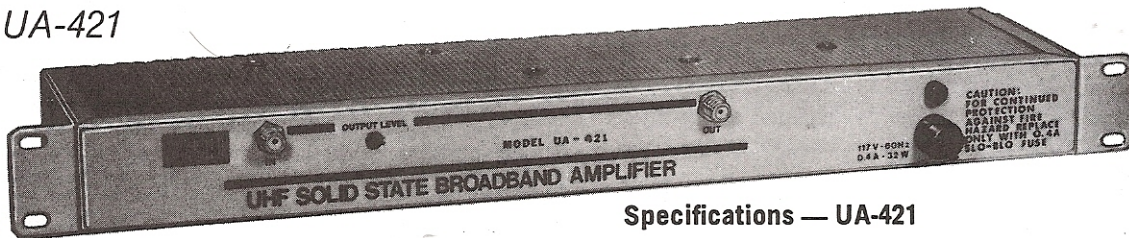
MODEL	TCLA-*	TCLA-*	TCLA-FM	TCLA-PFM
CHANNEL	2 - 6	7 - 13	FM	FM
FREQUENCY RANGE	6 MHz	6 MHz	88-108 MHz	92-108 MHz
GAIN	40 dB	40 dB	40 dB	40 dB
FLATNESS	± 0.5 dB	± 0.5 dB	± 2 dB	± 2 dB
MATCH: INPUT 75 Ω OUTPUT 75 Ω	16 dB 16 dB	16 dB 14 dB	12 dB 14 dB	10 dB 14 dB
NOISE FIGURE	9 dB	11 dB	10 dB	10 dB
GAIN CONTROL RANGE	10 dB	10 dB	10 dB	10 dB
MAXIMUM OUTPUT	63 dBmV	60 dBmV	46 dBmV	46 dBmV
POWER REQUIREMENTS	120V, 3W, 42ma, 60 Hz			
DIMENSIONS	17" L x 3 1/2" H x 1 3/4" W			
SHIPPING WEIGHT	3 lb.			
WARRANTY	90 Days			

UHF DISTRIBUTION AMPLIFIERS



UHF BROADBAND AMPLIFIER

Model UA-421



Features

- Low Distortion
- High Gain
- Solid State
- Low Noise Figure
- High Output

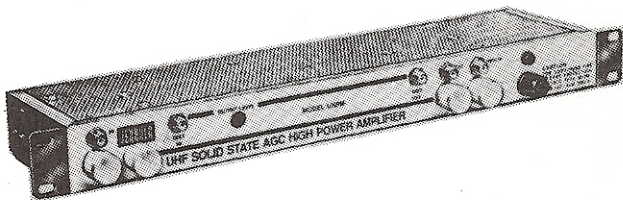
Jerrold Model UA-421 is a solid-state, high-gain, broadband UHF amplifier. Giving over 48 dB gain, the response of the amplifier is exceptionally flat with less than 2.5 dB variation in response peak-to-valley over the entire 470 to 806 MHz bandwidth.

A gain control with 10 dB range of adjustment is provided on the amplifier. This new amplifier is truly a professional unit and amplifies UHF signals to a high level with an absolute minimum of distortion. It can be wall or 19-inch rack mounted. Hardware and two F cable connectors are provided.

Specifications — UA-421

Frequency Range (MHz)	470-806
Minimum Full Gain (dB)	48
Minimum Output per Channel (dBmV) at less than -46 dB (0.5%) cross-modulation	+54.0, 3 channels
Impedance (ohms)	Input: 75; output: 75
Maximum Noise Figure (dB)	At 470: 8.5; at 806: 10
Gain Control (dB)	10
Flatness of Response (dB across band)	2.5 P/V (470-806 MHz)
Power Requirement	117 V ac, 60 Hz, 0.4 A, 32 W
Dimensions	19" x 13 1/4" x 4 1/2" (48.26 cm. x 4.45 cm. x 11.43 cm.)
Net Weight (lbs.)	4 lbs., 6 oz. (1.98 kg)
Mounting	19" rack or surface (48.26 cm.)
Ambient Temperature	-4° to 130°F (-20° to +55°C)

UHF SINGLE CHANNEL AMPLIFIERS



Features

- Low Distortion
- High Gain
- Solid State
- Low Noise Figure
- High Output

4-VOLT, SINGLE-CHANNEL, UHF, AGC AMPLIFIER, MODEL UHPM-*

Newest addition to the 'HPM family is the UHPM! A Solid-State, high gain, high output single channel UHF amplifier with Automatic Gain Control. Output level is adjustable with AGC holding the present level over a 30 dB wide input signal variation.

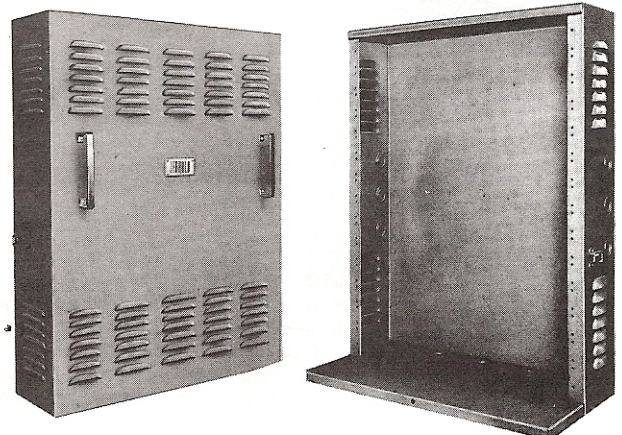
The amplifier may be loop mixed with other UHPM amplifiers. The amplifier may be wall or rack mounted.

SPECIFICATIONS — UHPM-*

Channel	*14 thru 70
Bandwidth	6 MHz (+1.0 dB)
Typical Output Capability (0.5 dB Max. Sync Compression)	72 dBmV (4.0V) Ch. 14-47, 69.5 dBmV (3.0V) Ch. 48-70
Min. Full Gain	60 dB
Output Range (Full AGC)	63 to 72 dBmV
AGC: Range	30 dB
Stiffness	1 dB out for 30 dB in
Skirt Sharpness	-25 dB at +30 MHz from channel center
Impedance	75 ohms
MATCH (Return Loss)	
Input & Output (on-channel)	Min. 8 dB
Output (off-channel)	Min. 10 dB
Recommended Operation Level	69 dBmV
920 KHz Beat	50 dB down
Ambient Temperature	55°C (132°F) Max.
Power Requirement	117 Volts, 60 Hz, 32 W
Dimensions	19" L x 1 1/4" W x 3 1/4" D
Net Weight	5 lb.

Deluxe Equipment Housing, Model EH-40

Jerrold Model EH-40 is a deluxe 19" relay rack and cabinet for housing head-end distribution equipment. The cabinet is of heavy-gauge steel, finished in silver gray hammertone, and suitable for bench or wall mounting. Knock-out holes for standard BX fittings provide for power entrance and coaxial cables. The louvered cover is equipped with handles and latches, easily removable, and provides good ventilation. A 5/16" hole is drilled in both the cover and cabinet for the acceptance of a padlock, making it possible to lock up equipment in those locations where it is necessary. Mounting hardware supplied.



MODEL EH-40 EQUIPMENT HOUSING	
DIMENSIONS	29 1/4" H x 20 3/4" W x 12 1/4" D (Front and Rear clearance is 5" each side of mounting surface)

T-CON SINGLE CHANNEL VHF CONVERTER



Converts high band channel to low band channel or vice-versa.

Model T-CON 13-3

GENERAL INFORMATION

The Model T-CON*-* is a single channel crystal controlled, highly stabilized solid state VHF television converter. It will convert a highband channel (7 to 13) to a lowband channel (2 to 6) or vice-versa.

The circuitry includes a voltage stabilized crystal oscillator with a "Neutralized" crystal circuit, a buffer amplifier stage and a mixer stage.

Recent technology has made possible crystal controlled oscillators at high frequencies without the necessity of frequency multipliers. For this reason the converter is free of annoying spurious responses and beats due to submultiples of the oscillator frequency.

Ordering Information: If you desire to convert channel 3 to channel 8, order Model T-CON 3-8.

TECHNICAL SPECIFICATION SUMMARY

Model	T-CON*-*
Conversion Gain	5 + 3 dB
Nominal Bandwidth	6 MHz
Pass Band Ripple	Less than + 1 dB
Nominal Skirt Selectivity	
6 MHz below video carrier	- 8 dB
12 MHz below video carrier	-20 dB
6 MHz above video carrier	- 6 dB
12 MHz above video carrier	-24 dB
Output Capability	35 dBmV for 5% sync pulse compression.
Cross Modulation Distortion for alternate channel operation - 7 ch. (3 Lo, 4 Hi) Input	32 dBmV for -46 dB Xm
Noise Figure	10.5 dB maximum
Converter Radiation (Per D.O.C. Specs.)	Less than -12 dBmV from 0 - 1 GHz measured at Input Terminal
Spurious Output	Less than - 10 dBmV at max. rated output
Minimum Recommended Input	-13.5 dBmV for TASC0 Grade 2 picture
Frequency Control	Quartz Crystal 5th or 7th overtone
Frequency Stability	+0.005% 0 - 55°C
Hum Modulation	Better than -50 dB below max rated output
Input/Output Impedence	75 ohm
Input Return Loss (VSWR)	16 dB minimum (1.4 : 1)
Output Return Loss (VSWR)	15 dB minimum (1.45 : 1)
Input/Output Connectors	Type "F"
Operating Temperature	-20°C to 55°C
Power Requirements	120 VAC 60 Hz 5W
Physical Dimensions	5¼ x 11 x 2-1/16 in.
Weight	2 lbs. 4 oz.

TO/FROM

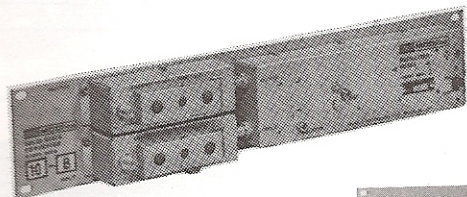
	7	8	9	10	11	12	13
2	No.	OK	OK	OK	OK	OK	OK
3	OK	No.	*	No.	OK	OK	OK
4	OK	OK	OK	OK	No.	*	No.
5	OK	OK	OK	OK	OK	OK	OK
6	No.	OK	OK	OK	OK	OK	OK

FROM/TO

Notes:

- Conversions marked "OK" on this grid are permitted conversions not subject to harmonic or other spurious impairment.
- Conversions marked "No." may require external trapping to remove some spurious beat picture degradation which may be considered undesirable.
- Conversions marked "*" are possible only by the use of two converters.

VHF-MIDBAND CONVERTERS, SCON-SERIES



Model SCON Hi-Mid 10-B



CHANNEL CONVERSIONS SCON-SERIES

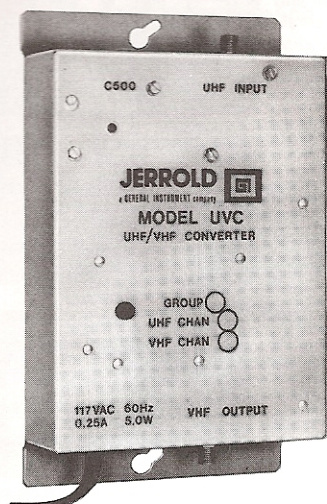
Model	From	To
SCON-Lo-Mid	2	A*,B*,C,D°,E,F*,G*,
	3	C*,D*,E,F°,G,H°,I*
	4	A*°,B*,E*,F*°,G°,H,I°
	5	A*,B*°,C*,D*°,E*,I*
	6	A*°,B*°,C*°,E*°,F*,G*
	SCON-Hi-Mid	7
8		A*°,B,C*,D*,E*,F*,G*,H*,I*
9		A*,B*,C,D*,E,F*,G*,H*,I*
10		A,B*,C*,D,E*°,F*,G*,H*,I*
11		A*,B*,C*°,D,E*,F*,G*,H*,I*
12		A*,B,C*,D*,E,F*,G*,H*,I*
13		A,B*°,C,D*,E*,F,G*,H,I*

° - Beats may be noticed in output channel at high levels of operation. If beats are noted, reduce input level with PDA-* attenuator pads.

* - Indicates the need for outboard traps or filter to eliminate possible beats in adjacent channels. Use TLB/THB Traps and/or PBF filters.

Note: No asterisk indicates clean conversion with no beats in-band or within 2 ch's either side of output ch.

Jerrold SCON-Series are VHF-to-Midband converters and are solid-state, crystal-controlled modular units. The accompanying chart indicates possible conversions. Standard SCON's comprise an oscillator-mixer assembly with one input and output filter. All filters are factory tuned to channels specified. Ordering information: Specify Model then channel conversions. For example 8 to B should read SCON Hi-Mid 8-B.



Solid-State UHF-to-VHF Channel Converters

UVC-SERIES . . . For MATV Non-Adjacent Channel Systems

Features

- Lower Noise Performance
- Highly Stable L-C Tuned Oscillator
- High Conversion Gain
- Wide Operating Temperature Range
- UL Listed

Specifications

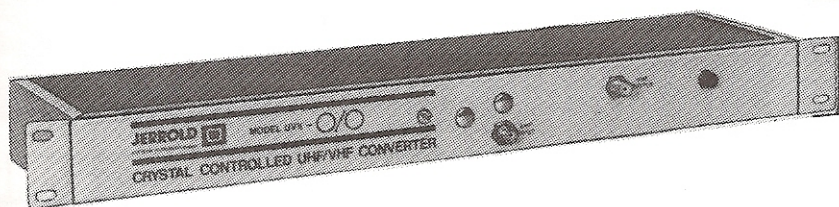
Frequency Stability	±.05% within operating temp. range
Channel Conversions	UHF (14 to 83) to VHF (2 to 13)†
Bandwidth	6 MHz at 1 dB points
Flatness	1 dB maximum P/V for 6 MHz
Conversion Gain	6 dB minimum, 14 dB maximum
Maximum Input Signal	+34 dBmV
Output Capability (0.5 dB Sync Compression)	+40 dBmV minimum
Noise Figure	12.5 dB maximum, 10.5 dB typical
Image Rejection	30 dB minimum
HUM Modulation	-54 dB maximum
Terminal Match @ 75 ohm impedance across 6 MHz	16 dB minimum return loss at input, 14 dB minimum return loss at output
Operating Temperature Range	+14°F to +140°F (-10°C to +60°C)
Power Requirements	117 VAC, 60 Hz, 0.25 A, 5W
Mounting	Surface
Dimensions	9 7/8" x 6 1/4" x 2 1/2" (25.1 cm. x 15.88 cm. x 6.35 cm.)
Weight, Net	2 lbs. 13 ozs. (1.28 kg.)

Jerrold's new UVC-Series of converters are solid-state, UHF-to-VHF, single channel units for indoor use. The UVC converters exhibit highly stable L-C oscillator operation over a wide temperature range. Model UVC converters are specifically recommended for distribution systems where non-adjacent channels are involved. (Use crystal controlled Jerrold converters for adjacent channel systems.) When ordering, specify input UHF channel and desired output VHF channel. However, prior to specifying channels, check the table of prohibited conversions. For example, with channel 48 input, converted to channel 10 output, specify as follows: Model UVC-48-10. (For applications requiring a mast-mounted U-V converter, use the UVC indoors with a mast-mounted DSU-105 preamplifier.) Input and output impedance is 75 ohms. The new UVC-Series of converters replaces the U5V and U7V converters. UVC's are designed for wall mounting and are packaged with mounting hardware and cable connectors.

†Table of Prohibited Conversions

UHF	TO	VHF
	19	6
22 23 24 25 52 53 81 82 83		7
25 26 27 28 56 57		8
28 29 30 31 60 61		9
16 31 32 33 34 64 65		10
34 35 36 37 68 69		11
21 37 38 39 40 72 73		12
40 41 42 43 76 77 78		13

UHF-to-VHF Crystal-Controlled, Single-Channel Converters



UVX-Series . . . for Adjacent Channel Cable Systems

Jerrold UVX-Series Converters are crystal-controlled, single-channel, UHF-to-VHF units which provide a highly stable output on standard VHF channels. The rock-like frequency stability (±.0025%) of the UVX makes it an excellent converter to use in adjacent-channel TV systems. The tight stability of the output is maintained over a temperature range of 14°F through 140°F. UVX converters are also available for VHF-to-UHF conversions and with I.F. (41.25 to 45.75 MHz) outputs on a special order basis. When used as an UHF-to-VHF converter typical signal gain of 9 dB is achieved. However, when used as a VHF-to-UHF, up-converter signal loss results from the conversion process. Input and output impedance is 75 ohms with a match of 14 dB maximum. UVXs replace the 500-Series Converters. UVXs are designed for rack or surface mounting.

When ordering, specify model number UVX, input channel and output channel. Prior to ordering the converter, check the prohibited conversion chart to make certain the conversion can be accomplished without interference.

Specifications — UVX-Series

Frequency Stability	±.0025% within operating temp. range
Channel Conversions*	UHF (14 to 83) to VHF (2 to 13), VHF (2 to 13) to UHF (14 to 83) I.F. (41.25-45.75) to UHF (14 to 70) UHF (14 to 70) to I.F. (41.25-45.75)
Bandwidth	6 MHz
Flatness	1 dB Maximum P/V
Conversion Gain (U to V)	6 dB Minimum, 9 dB Typical
Maximum Input Signal	+30 dBmV
Output Capability, Minimum	40 dBmV, 920 kHz beat @ -55 dB 35 dBmV, 920 kHz beat @ -60 dB
Noise Figure at Full Gain	14 dB Maximum
Image Rejection	30 dB Minimum
Hum Modulation	-54 dB Maximum
Input Terminal Match @ 75-ohm Impedance Across 8 MHz	14 dB Minimum
Output Terminal Match @ 75-ohm Impedance Across 6 MHz	14 dB Minimum
Operating Temperature Range	+14°F to +140°F (-10°C to +60°C)
Power Requirements	117 VAC, 60 Hz, 0.1 A, 10 W
Mounting	Rack or Surface
Dimensions	13 3/4" (4.4 cm) X 19" (48.3 cm) X 4 5/8" (11.75 cm)
Weight, Net	4.5 lbs. (2.04 kg)

*See Table of Prohibited Conversions with UVC-Series of Converters.



ANTENNA MATCHING TRANSFORMERS, COUPLERS

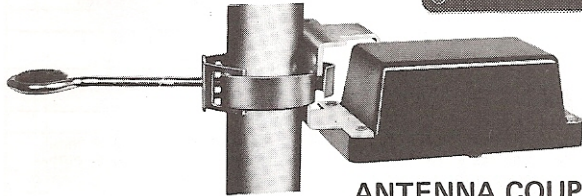
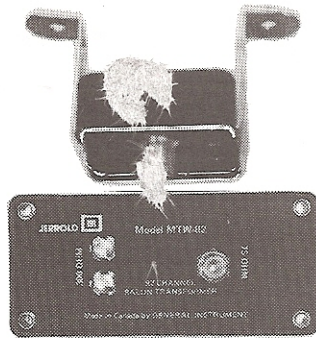
ANTENNA MATCHING TRANSFORMERS

AMT-82 Transformer

82 Channel, balun transformer, which converts 300 ohm antennas for 75 ohm coaxial cable. Attaches to Delhi antenna terminals. Can fit other antenna makes. 'F' connector and weatherboot supplied. All-weather housing.

MTW-82 Transformer

82 Channel balun transformer which converts any 300 ohm antenna to 75 ohm coaxial cable. 'F' connector and weatherboot supplied. All-weather housing.



ANTENNA COUPLERS

3008-2 thru 3008-13 Couplers

300 ohm VHF Single Channel Antenna Couplers or signal injectors. Used to combine a VHF single channel antenna with an 82 channel antenna into a single 300 ohm down lead. Other uses — to trap a strong channel on a broadband antenna — to improve band pass of a yagi antenna. All-weather housing.

7508-2 thru 7508-13 Couplers

75 ohm VHF single channel antenna couplers or signal injectors. Used to connect a VHF single channel antenna and an 82 channel antenna together into one 75 ohm down lead. Other uses — to trap a strong VHF channel on a broadband antenna — To improve band pass of a yagi antenna. All-weather Housing.

3014 VHF-UHF Coupler

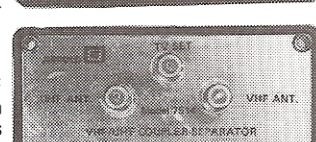
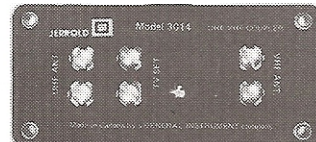
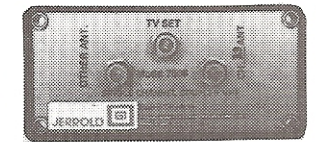
Used to connect a VHF and a UHF antenna, both 300 ohms, into one 300 ohm down lead. All-weather housing.

3014/75 VHF-UHF Coupler

Used to connect a VHF and a UHF antenna, both 300 ohms, into one 75 ohm coaxial cable down lead. 'F' connector and weather boots supplied. All-weather housing.

7514 VHF-UHF Coupler

Used to connect a VHF and a UHF antenna, both 75 ohms into one 75 ohm coaxial cable down lead. 'F' connectors and weatherboots supplied. All-weather housing.



3016 Hi-Lo Coupler

Used to connect high band (7-13) and low band (2-6) antennas into a single 300 ohm down lead. May also be used to separate high and low band signals in case one band needs to be amplified or attenuated. All-weather housing.

3016/75 Hi-Lo Coupler

Used to connect high band (7-13) and low band (2-6) antennas into a single 75 ohm down lead. 'F' connector and weatherboot supplied. All-weather housing.

7516 Hi-Lo Coupler, 75 ohms

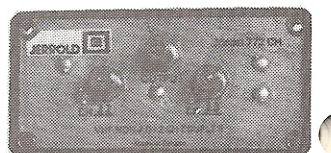
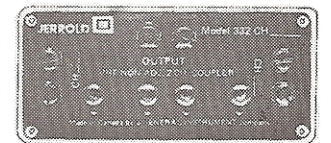
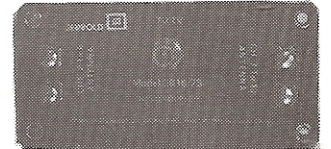
Used to connect 75 ohm high band (7-13) and low band (2-6) antennas into a single 75 ohm down lead. May also be used to separate high and low bands in case one band needs to be amplified or attenuated. 'F' connectors and weatherboots supplied. All-weather housing.

332 Ch. ** 2 Channel Coupler, 300 ohms

300 ohm VHF non-adjacent 2 channel coupler. * Specify required two channels. Combines any two non-adjacent VHF channels into one 300 ohm down lead. Weatherproof case. Insertion loss 1.5 dB (max.) Response Curve — see graph.

772 Ch. ** 2 Channel Coupler, 75 ohms

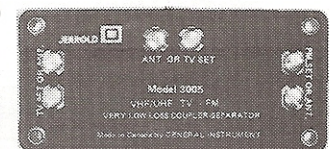
75 ohm VHF non-adjacent 2 channel coupler. * Specify required two channels. Combines any two non adjacent VHF channels into one 75 ohm down lead. 'F' connectors and weatherboots supplied. Insertion loss 1.5 dB (max.) Response Curve — see graph.



ANTENNA COUPLER-SEPARATORS

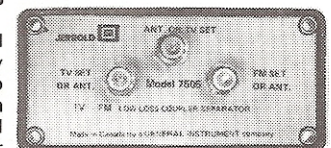
3005 TV-FM Coupler-Separators 300 ohms.

Used to separate FM from 82 channel TV signal with very low signal loss. May also be used to couple an FM antenna to an 82 channel antenna for one 300 ohm down lead. Weatherproof case.



7505 TV-FM Coupler-Separator, 75 ohms

Used to separate Fm from 82 channel TV signal with very low signal loss. May also be used to couple an FM antenna to an 82 channel antenna for one 75 ohm down lead. 'F' connectors and weatherboots supplied. All-weather housing.



SPECIFICATIONS

AMT-82

Impedance In: 300 ohms Out: 75 ohms
Insertion Loss VHF: 0.5 dB
(Max.) UHF: 2.5 dB

MTW-82

Impedance In: 300 ohms Out: 75 ohms
Insertion Loss VHF: 0.5 dB
(Max.) UHF: 3.0 dB

7514

Impedance — 75 ohms In and Out
Bands — VHF and UHF
Thru-Loss — Low Band & FM 0.75 dB
(Max.) High Band 1.0 dB
Isolation — VHF 14 dB
(min) UHF 14 dB

3014

Impedance In and Out — 300 ohms
Frequency — VHF port 54 to 216 MHz
UHF port 470 to 890 MHz
Thru Loss — VHF 1.0 dB
(Max.) UHF 3.0 dB
Isolation — VHF 13 dB
(Min.) UHF 16.5 dB

3014/75

Impedance In: 300 ohms Out: 75 ohms
Frequency — VHF port 54 to 216 MHz
UHF port 470 to 890 MHz
Thru Loss — VHF 1.5 dB
(Max.) UHF 2.0 dB
Isolation — VHF 13.5 dB
(Min.) UHF 20.0 dB
Isolation — VHF: 23 dB

3008.* 300 ohms

75 ohms (Do not couple adjacent channels)

"All Band" Port

Insertion loss (Max.) High Band 1.5 dB
Insertion loss (Max.) Low Band 1.5 dB

"Injected" Port

Insertion loss (dB) (Max.)

7516

Impedance — In and Out: 75 ohms
Bands - VHF Lo/FM and Hi
Thru Loss — Low Band & FM 1.0 dB
(Max.) Hi Band -2.0 dB
Isolation — 20 dB (Min.)

3016/75

Impedance — In: 300 ohms Out: 75 ohms
Bands — VHF Low/FM and Hi
Thru-Loss — Low Band & FM — 1.5 dB
(Max.) High Band — 1.5 dB
Isolation — 10 dB (Min.) @ 174 MHz
(Min.) 15 dB (min.) @ 108 MHz

3008.*

Lo Band 2-6 Hi Band 7-13

Insertion loss (Max.) High Band 1.5 dB
Insertion loss (Max.) Low Band 1.5 dB

Insertion loss (dB) (Max.) 2 dB 3 dB 3.0 dB

3005

Impedance — In and Out: 300 ohms
Thru Loss — VHF-Lo 1.5 dB
(Max.) VHF-Hi 0.5 dB
FM 2.5 dB
UHF 4.0 dB

Isolation — VHF-Lo 16 dB
(Min.) VHF-Hi 20 dB
FM 18 dB
UHF 24 dB

7505

Impedance In and Out: 75 ohms
Thru Loss — VHF-Lo 2.0 dB
(Max.) VHF-Hi 1.0 dB
FM 5.0 dB
UHF 2.0 dB

Isolation — VHF: 23 dB
(Min.) UHF: 23 dB
FM: 11 dB

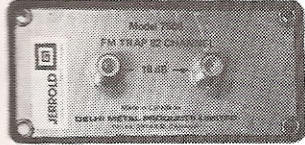
TRAPS, SPLITTERS, MIXING NETWORKS



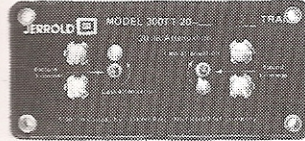
ANTENNA TRAPS AND SIGNAL ATTENUATORS



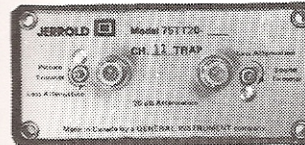
3006 300 ohm FM TRAP. Blocks FM signals to eliminate FM interference to TV sets or amplifiers. Insulation piercing terminals. Weatherproof case
Thru Loss: VHF 0.5 dB, UHF 3 dB
Max. Reject Band 23 dB 92-108 MHz



7506 75 ohm FM Trap. Blocks FM signals to eliminate FM interference to TV sets or amplifiers. F connectors supplied plus weather boots.
Thru Loss: VHF 0.5 dB UHF 3 dB
Reject Band 23 dB 92-108 MHz

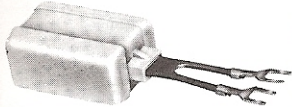


300TT20-2 thru 300TT20-13
300 ohm VHF single Channel (Non Adjacent) Tunable Traps. Specify channel to be trapped. Used to eliminate interference on sound and picture on specified channel. Weatherproof case.



75TT20-2 thru 75TT20-13
75 ohm VHF Single Channel (Non Adjacent) Tunable Traps. Specify channel to be trapped. Used to eliminate interference on sound and picture on specified channel. Weatherproof case 'F' connectors and weatherboots supplied.

Model	300TT20*		75TT20*	
Impedance	300 ohms		75 ohms	
Channels	2-6	7-13	2-6	7-13
Insertion Loss (Max.) on entire band except trapped Channel and Adjacent.	2.0	2.0	2.0	2.0
Rejection (dB) (Min.) At Video & Sound Carriers	20	20	19	19



CBT-300 Citizens Band Trap
Reduces interference to TV from Citizens Band radio. Attaches in seconds to "ANT" terminals at back of TV set. Attenuates entire CB band by 20 dB.

FIXED ATTENUATORS, PDA-SERIES

Models PDA-1, PDA-3, PDA-6, PDA-10, PDA-20 are fixed attenuator pads for 75-ohm circuits and use a resistive tee-network. They are ideal for in-line use. All models are for all-channel (dc-890 MHz) applications. Fittings are type F-61A, and are equipped with universal center clutch which adapts to RG-59 through CAC-11 cable sizes. Attenuators can be cascaded using Jerrold F-71 male coupling connectors. Return Loss: 21.0 dB. VSWR: 1.2:1. Impedance: 75 ohms. Overall Length: 2 1/2". Replaces PDL's.

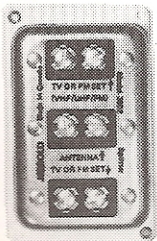


MODEL	PDA-1	PDA-3	PDA-6	PDA-10	PDA-20
ATTENUATION (dB)	1.0±0.2	3.0±0.3	6.0±0.3	10.0±0.5	20.0±1.0
PASSBAND (MHz)	All-Channel (dc to 890)				

300 OHM SPLITTERS

3001 82 Channel, 2-Way Line Splitter. Low loss transformer type with high signal isolation. Used to split signals 2 ways equally from one line to operate 2 TV sets or one TV and one FM. Has weatherproof case, mounting hardware
Splitting loss: VHF : 4 dB, FM : 4 dB, UHF up to 52 4 dB, UHF above 52 5 dB. Isolation between outputs 12 dB.

3002 82 channel, 2-Way Line Splitter, low-loss transformer type with high signal isolation. Used to split signals 2 ways equally from one line to operate 2 TV sets or a TV and an FM. All metal case is designed for indoor applications where economy is considered.
Splitting loss: VHF : 4 dB, FM 4 dB, UHF 14 to 52 4 dB, UHF above 52 5 dB. Isolation between outputs. 12 dB,

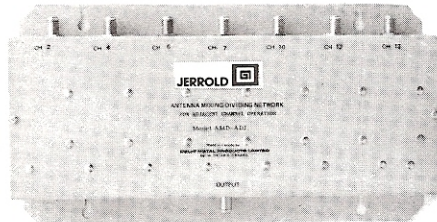


ADJACENT CHANNEL ANTENNA MIXING - DIVIDING NETWORKS

The Jerrold Antenna Mixing - Dividing Networks are designed to combine up to 7 inputs into one common 75 ohm coaxial down-lead. The inputs can be adjacent or non-adjacent VHF Low Band channels, FM band, non-adjacent High Band channels, UHF band or any combination of these. Example: 3, 4, 5, FM, 7, 10, UHF. Conversely, they can separate the above channels from an all channel antenna where signal leveling is required on certain channels. An adjacent high band channel can be converted to an unused low band channel using a T-CON Converter.

Model AMD-ADJ-7 contains a triple filter for EACH low band selected channel. There is flat response across any 5 MHz channel and frequency. Maximum insertion loss is 3 dB on EACH channel. VSWR is 2:1 (maximum). Eight 'F' connectors are supplied. The unit must be installed inside a building where temperatures are kept between 15 degrees C and 30 degrees C.

These units offer complete flexibility with regard to channel requirements and are custom built to order. Allow 3 weeks delivery time.



Model AMD-ADJ-7

SPECIFICATIONS

Bands:	L.B.	FM	H.B.	H/L	UHF/VHF
Channels:	2-6	88-108	7-13	Comb.	Comb.
Insertion Loss:	2.0 dB	1.0dB	3.0 dB	0.5 dB	0.5 dB
Channel Selection:	Any combination - except adjacent high band chs.				
Options:	1 Hi/Low combines (2-6) plus (7-13) 2 FM 88 to 108 MHz separate input 3 U/V (UHF and VHF combined)				
Control Levels:	Do not exceed +10 dB difference, between inputs				
Bandwidth:	5 MHz per channel - Top				
VSWR:	2:1 maximum				
Crossover of Adjacent channel signal point:	-20 dB				
Impedance:	75 ohms for 7 inputs and one output				
Connectors:	Eight "F" type coaxial supplied				
Dimensions:	28 cm x 15 cm x 5 cm				
Single channel amplifiers may be needed to overcome insertion losses of 2 dB on low-band and 3 dB on high-band channels.					

75-ohm Antenna Mixing Networks, Models AMN-HI, AMN-LO

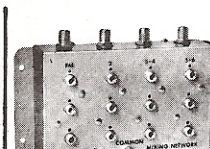
Model AMN-HI is a VHF low-loss mixing network for combining into a single output up to 4 non-adjacent high band television channels (7 through 13), received from single-channel antennas or amplifiers. May also be used in reverse as a channel splitter. Impedance is 75 ohms. Insertion Loss is 2.0 dB maximum. Comes tuned 7, 9, 11, 13, other channels require special tuning.

Model AMN-LO is basically the same for up to 4 non-adjacent low band channels (2 through 6 and FM). Impedance is 75 ohms. Insertion Loss is 2.5 dB maximum. Comes tuned to channels 2, 4, 5 and FM. Other channels require special tuning.

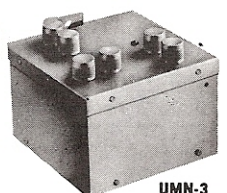
Both units are field tunable, designed for indoor mounting at the system head-end, and shipped with the necessary hardware and connectors.



AMN-HI



AMN-LO



UMN-3

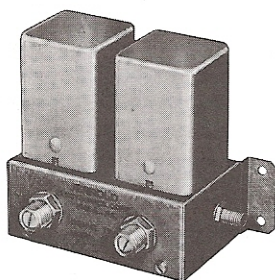
UHF Mixing Network, Model UMN-3

Model UMN-3 is Jerrold's exclusive low-loss mixing network for combining the outputs of three UHF single-channel antennas or amplifiers into a single broadband output. Unit also functions as a splitting network to separate the output of a broadband UHF antenna into three single-channel outputs.

Model UMN-3 contains 3 cavity-type double-tuned filter networks which allow guardbands of 2 channels at low-end, 3 channels at mid-band, and 5 channels at the high end. It may be ordered factory-tuned to specific channels. It is designed for either indoor or outdoor mounting.

Specifications — AMN-HI, AMN-LO, UMN-3

MODEL NUMBER	VHF-FM		UHF
	AMN-HI	AMN-LO	UMN-3
PASSBAND (MHz)	174-216	54-88	470-890
CHANNELS	7-13	2-6, FM	14-83
IMPEDANCE (ohms)	75	75	75
MIXES (non-adjacent channels)	4	4	3
MAX. LOSS (dB)	2.0	2.5	1.0
VSWR (Return Loss)	1.5:1 (14 dB)	2.0:1 (9.5 dB)	1.79:1 (11 dB)
OUT-OF-BAND REJECTION (dB)	12	12	19
DIMENSIONS (in.)	6 $\frac{3}{8}$ "x4"x1 $\frac{1}{2}$ "	6 $\frac{3}{8}$ "x4"x1 $\frac{1}{2}$ "	5 $\frac{1}{4}$ "x5 $\frac{1}{4}$ "x3 $\frac{1}{2}$ "



High "Q" Traps, Models TLB-2, TFM-2, THB-2

Each trap consists of two tunable L-C circuits in a modified bridged-tee network. Tuning of the units is by means of Teflon-dielectric trimmers with screwdriver adjustment. When both circuits are tuned to an interfering signal, rejection is a minimum of 40 dB. Insertion Loss at 1.5 MHz off the interfering frequency is only 3 dB. Units are shipped with two F-59A connectors for use with RG-59/U coaxial cable. Model TLB is used for low-band Channels 2-6 (59.75-83.75 MHz); Model THB for high-band Channels 7-13 (179.75-211.25 MHz); Model TFM is for the FM band (88-108 MHz). Impedance—75 ohms. Designed for indoor mounting.

Aural Carrier Reducers, Models ACR-25 and ACR-712

NEW Jerrold Aural Carrier Reducers allow adjacent channels to be received and distributed on the same MATV cable without adversely affecting the color sub-carrier. The aural carrier level of lower carrier is reduced to prevent beat interference with adjacent visual carrier. Model ACR-25—Field tunable 59.75 (Channel 2 sound) to 81.75 MHz (Channel 5 sound). Model ACR-712—Field tunable 179.75 (Channel 7 sound) to 209.75 MHz (Channel 12 sound).



Specifications — Model ACR-25 and ACR-712

Aural Carrier Reduction (dB)	Fixed at 12±1.5
Insertion Loss (dB)	1.5 maximum outside of trapping frequency in the same band. (ACR-25 is 2.0 maximum in high band.)
Impedance (ohms)	75 (in and out)
VSWR (maximum)	ACR-25: 1.3:1 ACR-712: 1.4:1



VHF Single-Channel Filters, PBF-Series

Jerrold Model PBF-* filters are single-channel VHF, high-Q, passband devices which overcome many head-end overload problems. They also may be used effectively on the output of head-end equipment to eliminate spurious signals generated by the particular equipment.

These new devices feature low insertion loss and have a high degree of selectivity. The next higher "SND" and next lower "PIX" frequencies of adjacent channels are attenuated by more than 30 dB. These filters are ultra stable; i.e., there is no perceptible frequency shift throughout a temperature range from -40°F to +140°F.

This five-element filter, featuring a helical resonator design, can be rack-mounted and requires only one and three-quarter inches of vertical rack space (one panel increment).

Order Model PBF-*

*Specify channel.

Specifications

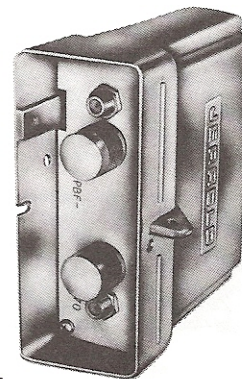
CENTER FREQUENCY	Std. VHF TV channel assignments	
BANDWIDTH	At 0.5 dB pts.	5.5 MHz ± 150 kHz
INSERTION LOSS	1.25 dB max. (low band) 1.75 dB max. (high band)	
IMPEDANCE	75 ohms, 18 dB return loss input/output	
SKIRT SELECTIVITY	Upper adjacent sound carrier -30 dB Lower adjacent picture carrier -40 dB min.	
ENVIRONMENT	-40°F to +140°F; 95% relative humidity	
PHYSICAL	19" rack mounting 1 (one) EIA rack increment (1 $\frac{3}{4}$ ")	
CONNECTORS	F-61A (Female)	

UHF Band Pass Filters

UBPF-Series

Jerrold UBPF-Series Filters are double-tuned, UHF, band pass devices for any preselected 6 MHz channel from 470 to 890 MHz (14-83). Housed in a cast aluminum enclosure these filters are adaptable for indoor or outdoor use. Each filter is a two-port, 75-ohm device with excellent selectivity and very low insertion loss.

*Specify UHF channel.



Specifications — Model UBPF-*

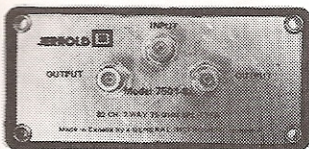
Center Frequency	Standard UHF TV Channels
Bandwidth	6 MHz
Insertion Loss	2 dB
Impedance	75 ohms, 10 dB return loss input/output
Skirt Selectivity	-20 dB ±30 MHz from center frequency
Connectors	F-61A (female)

75 OHM SPLITTERS, WALL PLATES

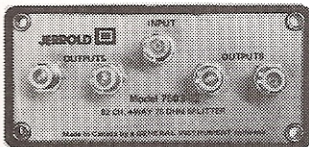


BACK MATCHED SPLITTERS

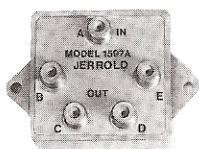
75 OHMS 82 CHANNEL (VHF/UHF/FM)



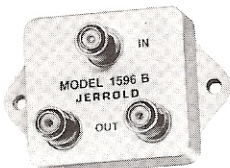
7501-82 82 Channel, 2-Way Line Splitter in all weather case. Used to split signal equally to operate two TV sets or TV and FM from one antenna. Can also be used to couple or join one TV antenna and TV or FM antennas. 'F' connectors and weather boots supplied.



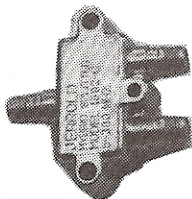
7503-82 82 Channel 4-Way Line Splitter in all weather case. Used to split signal equally to operate 4 TV or FM sets from one antenna. Can also be used to couple or join 4 TV or FM antennas. 'F' connectors and weather boots supplied. Use only where signals are strong or with amplifier.



1597A 82 Ch. 4-Way Line Splitter Has extended band with from 5 – 890 MHz. Contains a printed circuit which is mounted on a zinc cast housing. Shielding is better than 80 dB. Can be used as a splitter or mixer for indoor surface mounting, less connectors.



1596 B 82 Ch. 2-Way Splitter Has extended bandpass from 5 – 890 MHz. Better than 80 dB shielding. Zinc cast housing. Can be used as a splitter or mixer for indoor surface mounting less connectors.



1592 C VHF 2-Way Splitter Covers band from 5 to 300 MHz. Cast zinc construction, better than 80 dB shielding, for indoor surface mounting, less connectors.

Specifications — 75-ohm Line Splitters

Model	VHF/UHF				VHF
	7501-82	7503-82	1596B	1597A	1592C
DESCRIPTION	2-Way	2-Way	2-way	4-way	2-way
CONNECTOR FITTINGS	"F"	"F"	"F"	"F"	"F"
BANDWIDTH (MHz)	54 to 890	54 to 890	5-890	5-806	5-300
MAXIMUM SPLITTING LOSS (dB)	VHF: 3.6 dB UHF: 4.0 dB	8.0 dB 8.0 dB	VHF: 3.5 UHF: 3.8	VHF: 7.0 UHF: 8.4	3.5
MINIMUM ISOLATION BETWEEN OUTPUTS (dB)	VHF: 17 dB UHF: 16 dB	20 dB 13 dB	17	VHF: 30 UHF: 15	20
SHIPPING WEIGHT oz.	8	9	8 oz.	8 oz.	6 oz.



STO-75 Self Terminating Outlet. This unique outlet contains an automatic switch which places a 75 ohm termination across the line when the TV-set cable with PG-59 push-on connector is unplugged — insuring proper termination at all times.



UT-12 Wall Outlet, Terminal Unit. All-Channel feed-through unit (0 dB) that features a patented universal bushing cable connector which fits RG-59, RG-6, CAC-59 or CAC-6 size cables. Output requires PG-59 push-on connector.

BACK MATCHED WALL PLATES

Jerrold Back Matched Wall Plates are available in Flush Mounting for 75 or 300 ohm outlets and Surface Mounting for 75 ohm outlets. Both types are 82 channel and available in fixed isolation values of 25, 20, 15, 10 and 8 dB.

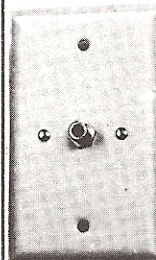
(NOTE: Always indicate isolation when ordering.) All models have 75 ohm inputs (solderless type). They are quality made with baked ivory enamel on zinc coated steel. Impedance match, isolation and VSWR specifications are excellent. These units contain AC blocking capacitors which prevent re-entry of electrical current from TV set back into the distribution system and reduce hazards of electrical shock. Crimp rings, mounting screws and "F" connectors are supplied.

— FLUSH MOUNTING — SOLDERLESS

Jerrold Flush Mounting Wall Plates are designed for neat and attractive installations in all standard 2" x 4" electrical outlet boxes. They are quality made of zinc plated steel, painted with ivory enamel. Size 2-3/4" x 4-1/2".

NOTE: Wall Plates with fixed isolation all have the same thro'u loss for specified isolation value as follows.

82 Channel



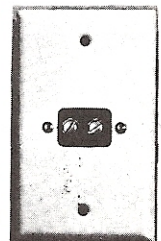
WP 283/300-25 300 ohm outlet 25 dB isolation, 0.5 dB thru loss.

WP-283/300-20 300 ohm outlet 20 dB isolation, 0.5 dB thru loss.

WP-283/300-15 300 ohm outlet 15 dB isolation 0.5 dB thru loss.

WP-283/300-10 300 ohm outlet 10 dB isolation, 1 dB thru loss.

WP-283/300-8T 300 ohm outlet 8 dB isolation, Terminating line.



WP 283/75 * 75 ohm outlet (*Specify 25, 20, 15, 10 or 8T isolation as above.)

WP-283/75 *
WP-283/FT

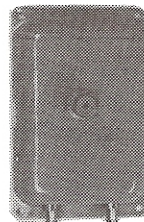
WP 283/MT Matching transformer plate, 300 ohm outlet.

WP 283/FT Single 75 ohm feed through, dress up plate, with no circuitry.

— SURFACE MOUNTING — SOLDERLESS

Jerrold Surface Mounting Wall Plates are designed to mount on a wall using 2 screws supplied. They are quality made of steel, zinc plated and ivory enameled. Size 2-1/4" w. x 3-3/4" h. x 1" d.

Thru loss same as Flush Mounting Wall Plates.



82 Channel (VHF/UHF/FM)

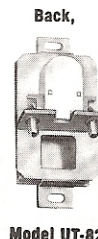
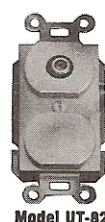
SMWP 283/75 * 75 ohm outlet (Specify 25, 20, 15, 10 or 8T isolation as above.)

SMWP 283/MT Matching transformer plate 300 ohm outlet

SMWP 283/FT Single 75 ohm feed through, dress up plate, no circuitry.

ULTRA-TAP All Channel Tap-Offs.

UT-82 is available in a selection of four color coded isolation values (see specs.). Features a patented universal bushing cable connector, which fits RG-59, RG-6, CAC-59 or CAC-6 cables. Output requires PG-59 push-on connector. UT-82 fits standard hydro receptical and cover plate.



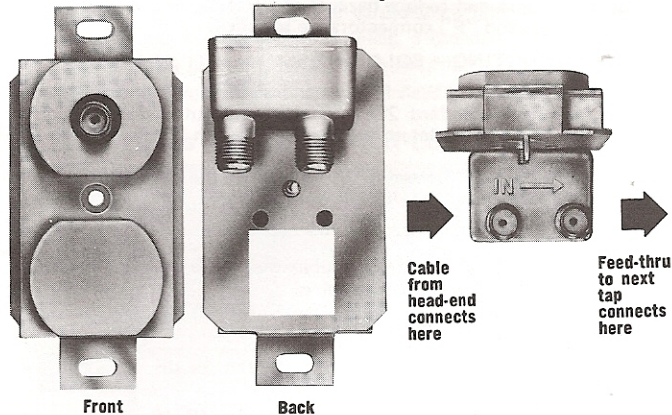
Frequency (MHz)	5-54	216	470	722	806
Channel	T7-2	13	14	56	69
Model	UT-82	UT-82	UT-82	UT-82	UT-82
WHITE (W)					
Isolation	30	30	28.5	28.5	26.5
Insertion	0.3	0.3	0.5	0.5	0.5
RED (R)					
Isolation	24	24	23	23	22
Insertion	0.6	0.6	0.9	0.9	0.9
YELLOW (Y)					
Isolation	21	21	19	19	17
Insertion	0.8	0.8	1.2	1.2	1.2
BLUE (B)					
Isolation	17.5	14	13	13	12
Insertion	1.2	1.2	1.2	1.2	1.2

NOTE: All Ultra-Taps are 75-ohm back-matched, with ac-dc isolation to "G" tap. FEED-THRU passes video.

DIRECTIONAL COUPLER FLUSH TAP Model DFT-()

CATV/MATV compatible tap

for use in SUPER-MATV™ Systems



The new Jerrold DFT taps surpass the most stringent requirements of internal distribution systems in buildings, whether equipped with an MATV head-end or a CATV feed.

For MATV, the DFT-series is recommended for both VHF and VHF-UHF distribution. For CATV internal distribution systems, DFTs are compatible with 30-channel, 2-way service and surpass FCC technical requirements.

The printed board directional coupler circuitry used in the DFT provides uniform tap isolation (7 dB, 13 dB, 19 dB, 25 dB, 31 dB) with directivity of 16 dB from 5- to 300 MHz. Therefore minimum isolation between outlets is 30 dB (2X tap isolation + 16 dB directivity).

The 13, 19, and 31 dB taps are also recommended for all-channel MATV systems with typical directivity of 10 dB to 806 MHz.

Tight design tolerances produce highly efficient taps, as evidenced by the low insertion losses for the matched taps.

The tight shielding required for 2-way service is obtained in the DFTs by their die-cast, sealed enclosure with "F" connectors, testing better than -80 dB shielding.

The DFT installs easily in any standard single gang outlet box (2" minimum depth recommended) with CAC-6 coaxial cable. Where conduit and box size permit, CAC-11 may be used.

Care should be taken by installers to observe the "input" and "output" feeder terminals of the tap for proper connections.

The output "F" connector accepts regular "F" or snap-fit "SF" cable connectors.

The ivory "saddle" packed with the DFT takes standard duplex cover plates (Jerrold UT-PI or UT-PS). The saddle is scored for easy knockout at the installer's option for mounting an additional service connector for audio, remote control, etc. Or, the Jerrold UTS-R saddle, complete with multi-pin connector and plug, may be ordered separately.

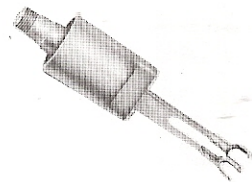
Specifications — DFT-Series

Specifications	DFT-7	DFT-13	DFT-19	DFT-25	DFT-31
Frequency Range	5-300	5-806	5-806	5-806	5-806
Isolation, 5-300 MHz	7.5	14.3	19.2	25.5	31.0
Insertion, 5-300 MHz	1.7	0.8	0.5	0.5	0.5
Isolation, 470-806 MHz	N.A.	13.0	17.5	23.5	28.0
Insertion, 470-806 MHz	N.A.	1.0	0.7	0.7	0.7
Thru Match	18 dB minimum, all models				
Back Match	14 dB minimum, all models				
Shielding to Direct Pickup	80 dB minimum, all models				
Isolation Between Taps	30 dB minimum, any combination				

T-4000 Set-Matching Transformer, 82 channels

Matching Transformer Model T-4000 has superb 40 dB balance (VHF) and extremely high ghost reduction. Exclusive Jerrold "F" connector will accept new SF-59 Snap-Fit cable connectors which disconnect when cable to TV set is pulled.

Insertion Loss: VHF 0.6 dB UHF 1 to 1.5 dB



FSX-1314-FM Set Matching Transformer, VHF/UHF/FM Separator

Jerrold Model FSX-1314-FM is a 75 to 300 ohm 82 channel matching transformer with separate outputs to VHF and UHF terminals of TV set plus an FM output for an FM receiver. With "F" connector.

Specifications

Model	FSX-1314-FM
PASSBAND (MHz)	54 to 890
Input	VHF: 54 to 216
Separate	FM: 88-108
Outputs	UHF: 470 to 890
IMPEDANCE (ohms)	
Input	75
Outputs	300
ISOLATION BETWEEN OUTPUTS (dB)	12
FEED-THRU LOSSES (dB)	
	54 MHz—0.5
	216 MHz—1.25
	470 MHz—1.75
	890 MHz—2.0
	FM—9.0



YK-442 300 ohm VHF-UHF Frequency Separator

Jerrold Model YK-442 is a 300 ohm back of TV set separator for separating VHF and UHF from 82 channel lead-in. Connects to terminals at back of TV set. Features full filter circuits for both VHF and UHF bands and provides high isolation and rejection to opposite band frequencies. Excellent impedance match. Insulation piercing terminals.

Isolation between outputs-VHF: 10dB. UHF: 8 dB.
Feed-Thru losses—54-216 MHz 1.5 dB (Max.)
470 to 890 MHz 3.0 dB (Max.)

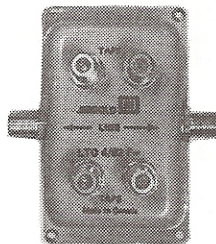


LINE TAP OFFS 82 CHANNEL

Line Tap Offs or Line Drop Taps provide an efficient means of distributing 82 channel TV signals. Model LT04/82F() are used at the main trunk line to provide 4-way lines going to outlets instead of running the trunk line to each outlet. Available in 25, 20, 15 and 10 dB isolation. They have excellent VSWR of 1.3:1. All trunk lines and output connectors are 75 ohm F-type. Power paszive through trunk line. Housing not weather proof.

NOTE: Specify isolation when ordering. ()

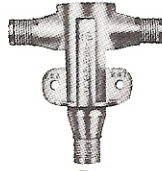
LTO 4/82 F() Surface Mounting 82 channel Line Tap Off with four outlets. "F" connector supplied.



Model	Insertion Loss (dB)		Isolation (dB)	
	VHF	UHF	VHF	UHF
(25)	0.75	2.0	26	23
(20)	1.5	4.0	21	20
(15)	2.5	4.0	14	12
(10)	2.5	6.0	11.5	10

All-Channel In-Line Tap, Models F-1412, F-1416, F-1426, F-1436

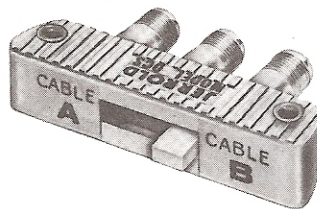
Jerrold's "F" series of in-line taps are housed in compact aluminum die castings and are all-channel (0-890 MHz) units for indoor or outdoor use. They are surface mounted, resistive taps available in 4 values of isolation: 12 dB, 16 dB, 26 dB and 36 dB. (3) F-659 connectors supplied. Recommended replacements for 1401—G, Y, R.



Specifications

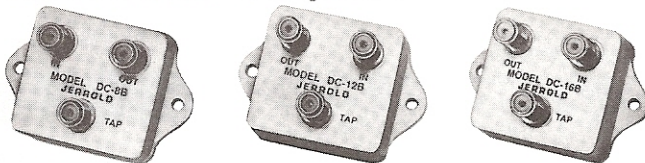
MODEL	F-1412	F-1416	F-1426	F-1436
Frequency Range (MHz)	0-890	0-890	0-890	0-890
Insertion Loss (dB)	1.0	0.7	0.3	0.2
Isolation (dB)	12	16	26	36
Impedance (ohms)	75	75	75	75

Dual Cable Switch Model DCS



Features 80 dB Isolation. Jerrold's Dual Cable Switch, Model DCS, selects one of two cable inputs which is made available to a 75-ohm output "F" connector. Insertion loss is less than 0.2 dB, and isolation between cables is a minimum of 80 dB. Packed 12 per carton with accessories: three F-659's and two wood screws.

Directional Couplers



Jerrold Models DC-8B, DC-12B and DC-16B are a new series of extended bandwidth directional couplers encased in radiation-proof cast housings. DC-12B and DC-16B are very efficient, back-matched and compact directional couplers covering the entire spectrum from 5 to 806 MHz. Model DC-8B fully covers the frequency range 5 to 300 MHz with reduced performance in the UHF range above 300 MHz.

Each model features highest isolation between tap and output and excellent match at all terminals. These high performance units use printed circuitry packaged into compact zinc cast housings. Three F-659's are supplied.

Specifications — DC-() B Series

Model	DC-8B	DC-12B	DC-16B
Passband (MHz)	5-300	5-806	5-806
Insertion Loss (dB)	1.1	VHF: 0.7 UHF: 0.9	VHF: 0.6 UHF: 0.8
Tap Loss (dB)	8.5	VHF: 12.5 UHF: 12.0	VHF: 16.2 UHF: 15.5
Isolation (dB)	20	VHF: 30 UHF: 24	VHF: 35 UHF: 26
Match (all terminals dB)	22	VHF: 20 UHF: 18	VHF: 20 UHF: 18
Radiation (dB)	-80	-80	-80

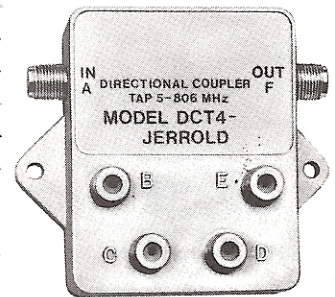
UHF/VHF, 4-Way Directional Coupler Taps

DCT4-Series

A New Series of Taps in the Same Fine Tradition as the Professional DFT Line

Features

- Exceeds FCC Technical Specifications (Part 76)
- Directional Coupler Design
- Two-Way Compatible
- 5 Values of Isolation
- Low Insertion Loss
- CATV Compatibility
- UHF Capability to 806 MHz
- Completely Shielded—More Than 80 dB
- Back Matched
- AC Isolation
- Chromate Conversion Finish



Jerrold DCT4-Series of Directional Coupler Taps are broadband (5-806 MHz) low-loss, high isolation units designed for indoor use. Five models are available providing average attenuation values of 10, 14, 19, 24 and 30 dB. (See the following specifications).

Each of the five models provide four, 75-ohm, "F" fitting outputs. DCT-4's do not pass AC or DC power. Uniformly good UHF performance is achieved by the use of circuit boards. Where coil windings or cores are sensitive to shock, they are affixed to the circuit board to maintain uniformly stable operation. Circuitry contains a directional coupler combined with an efficient low-loss, four-way hybrid splitter. The housing is a die cast alloy housing which provides a minimum of 80 dB RF shielding. The housing has a chromate conversion finish which deters Galvanic corrosion. DCT's are packed in individual cartons, six to a shipping carton. "F" fittings are not supplied. DCT's are designed for surface mounting.

Specifications — DCT4-Series

Model	DCT4-10	DCT4-14	DCT4-19	DCT4-24	DCT4-30
Frequency Range (MHz)	5-806	5-806	5-806	5-806	5-806
Tap Attenuation (dB)					
5-300 MHz	9.3-11.3	12.7-14.7	18.0-20.0	23.0-25.0	29.0-31.5
470-806 MHz	9.7-12.4	12.4-15.4	18.0-21.0	22.0-26.0	24.0-30.0
Insertion Loss (dB)					
5-300 MHz	3.7	1.9	0.9	0.7	0.5
470-806 MHz	4.4	3.2	1.7	1.2	1.2
Match (dB)					
5-300 MHz	13-17	14-16	14-17	14-17	14-17
470-806 MHz	14	14	14	14	14
Isolation (dB)					
Tap to Out	30	26	30	35	44
Between Outlets	30	30	30	30	30
470-806 MHz	15	15	15	15	15
Shielding (dB)	80	80	80	80	80
Weight (oz.)	7	7	7	7	7
Dimensions	Units identical in size, 3¼" x 2⅞" x 1½"				



INTERCHANGEABLE TAPS FOR CATV, CONNECTORS

"IT" SERIES INTERCHANGEABLE MULTI-TAPS

DESCRIPTION:

Jerrold's new concept in Multi-Taps, the "IT TAP SYSTEM", has been designed for maximum flexibility with minimum inventory and is adaptable to all CATV installation requirements.

Interchangeability

— all tap plates, regardless of tap value or number of spigots are fully interchangeable on all housings without modification.

Mounting

— two housings are available: one designed for aerial mounting and one for 4" pedestal mounting.

Connectors

— RFI type connectors are available.
— two sizes of connector are available: 412 and 500.
— connectors in aerial housings may be removed to change connector type.

Moisture Sealing

— all taps are supplied with spigot HYPO-SEAL.
— standard taps are provided with plate to housing rubber gasket.

Corrosion Resistance

— plates and housings are cast in one material, aluminum to eliminate chemical corrosion of dissimilar metals.

Outlets

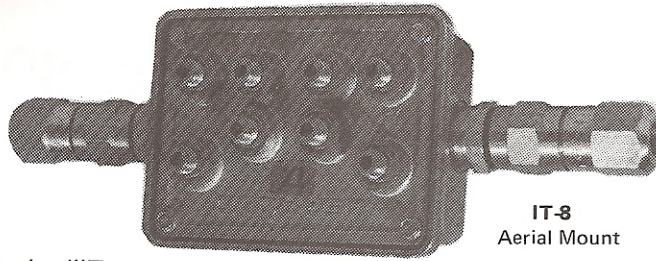
— plates are available with 2, 4 or 8 spigots and are fully interchangeable.

Tap Value Identification

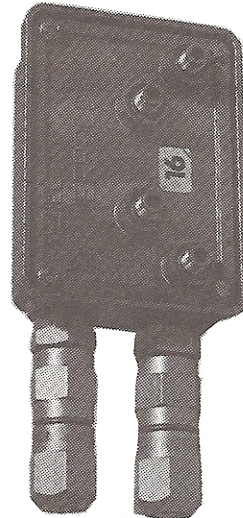
— each plate carries a numbered sticker representing the tap value.

Plate Locking

— the plate housing coupling employs a positive lock capture mechanism.



IT-8
Aerial Mount



IT-4
Pedestal Mount

OPERATING SPECIFICATIONS

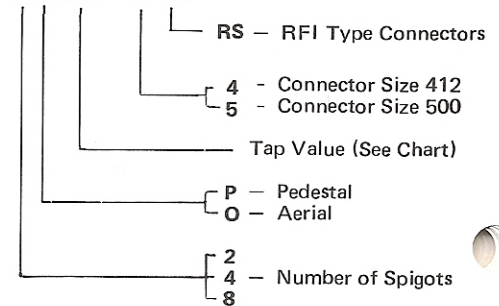
Current Capacity : 7 amperes max.
Band Width : 5 - 300 MHz
Hum Modulation : -70dB min. @ 7 amperes

STANDARD TAP VALUE CHART

Type	Tap Value	Insertion Loss Max.	Isolation Tap to Out	Isolation Tap to Tap
IT2	7	3.5	--	28
	10	1.7	30	30
	13	1.2	33	30
	16	0.7	36	30
	20	0.6	40	30
	25	0.5	45	26
	31	0.5	51	26
	35	0.6	50	30
IT4	7T	--	--	20
	10	3.4	30	24
	13	1.5	33	22
	16	1.0	36	24
	20	0.5	40	22
	25	0.4	45	22
	31	0.4	51	24
	35	0.6	55	30
IT8	10T	--	--	30
	14	3.0	30	30
	17	1.8	36	30
	20	1.3	38	30
	23	0.8	42	30
	26	0.6	45	30
	29	0.5	46	30
	32	0.5	50	30
IT8	35	0.6	52	30
	38	0.5	52	30
	41	0.5	52	30
	41	0.5	52	30

COMPLETE TAP NUMBER IDENTIFICATION

IT X-X-XXX - X- RS

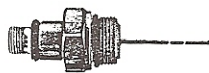


Cable-to-Starline Equipment Housing Connector

VSF-59A Adapter

Male-VSF to female-F adapter. Allows connection of RG-59/U, RG-6/U or RG-11/U cable with F-fitting to distribution equipment housing. Pin length is 1-1/16" with breakpoints at 9/16" and 3/4".

With Intra-Shield^R



VSF-412R Adapter

Cable center conductor is fed through connector and seized inside the equipment housing. Integral radiation sleeve. Use model CPT-412 to prepare cable end.



VSF-412RS Adapter

Cable center conductor is seized by the fitting. Pin is 0.075" dia., length 1 1/4" with breakpoints at 3/4" and 15/16". Integral radiation sleeve. Use model CPT-412 to prepare cable end.



VSF-500R Adapter

Cable center conductor is fed through connector and seized inside the equipment housing. Integral radiation sleeve. Use model CPT-500 to prepare cable end.



VSF-500RS Adapter

Cable center conductor is seized by the fitting. Pin is 0.075" dia., length 1 1/4" with breakpoints at 3/4" and 15/16". Integral radiation sleeve. Use model CPT-500 to prepare cable end.



Cable-to-Cable Splice Connector With Intra-Shield^R

SC-412RSC Adapter

Cable center conductors are seized by the fitting. Integral radiation sleeves. Use model CPT-412 to prepare cable end.



SC-500RS Adapter

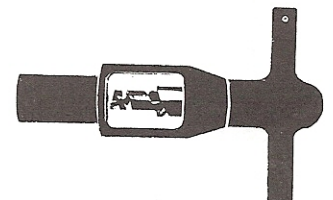
Cable center conductors are seized by the fitting. Integral radiation sleeves. Use model CPT-500 to prepare cable ends.



Cable Coring Tools

CPT-11A, CPT-412, CPT-412C, CPT-500

These cable coring tools are designed to remove polyethylene and polystyrene foam dielectrics from CAC-11, 0.412", 0.412" oversize (C) and 0.500" diameter cables, respectively, without harming center conductor or sheath. This allows proper assembly of Jerrold's Intra-Shield^R connectors to the cable for maximum RF1 integrity. The tools may be hand-operated or by removing handle a 3/8" electric drill may be used.



Cutting Auger Replacements For Above

CT-412, CT-412C, CT-500



CONNECTORS AND TERMINATORS,

COAXIAL CABLES



F-56 Male Cable Connector
For use with RG-56 or CAC-6 cables. CR-56 crimp ring supplied.

F-59 Male Cable Connector
For use with RG-59 or CAC-59 cable. CR-59 crimp ring supplied.

F-11 Male Cable Connector
For RG-11 or CAC-11 cable. CR-11 crimp ring supplied.

SF-59 Push-On Connector
Snap-fit connector for use with T-4000 transformer or other 'F' female fittings. Disconnects safely when TV set is moved, preventing breakage. Fits RG-59 or CAC-59 cables. CR-59 supplied.

SF-56 Push-On Connector
Snap-fit connector similar to SF-59 above. Fits RG-56 or CAC-6 cable. CR-56 supplied.

PG-59 Male Push-On Connector
Designed for installations where repeated connections and disconnections are required. Has silver plated brass center pin. Recommended for use with STO-75F Self-Terminating Outlets. Fits RG-59 or CAC-6 cables. CR-59 supplied.

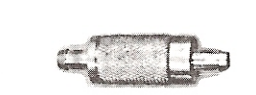
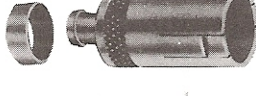
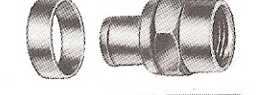
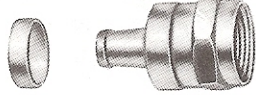
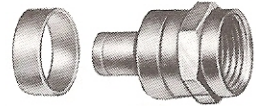
SP-59 Splice Connector
For joining two pieces of RC-59 or CAC-59 cable. Two CR-59 crimp rings supplied.

F-71 Male Coupling Adapter
Mates with F-61A or F-81C.

CR-56 Crimp-Ring
For use with F-56 or similar connectors on RG-56 or CAC-6 cables.

CR-59 Crimp-Ring
For use with F-59 or similar connectors on RG-59 or CAC-6 cables.

CR-11 Crimp-Ring
For use with F-11 or similar connectors on RG-11 or CAC-11 cables.



F-81C Female Coupling
Universal center clutch will adapt to all sizes of cable; RG-59 through RG-11 at both ends. Accepts all 'F' connectors. Nut and washer supplied.

F-61A Female Chassis Fitting
Accepts all 'F' connectors and sizes of cable from RG-59 to RG-11. Mounts in 3/8" dia. chassis hole. Nut and washer supplied.

WB-56 Weather Boot
Made of flexible black plastic. Slips over RG-59, RG-56 and RG-11 cables and 'F' connector. Has 1/2" I.D. barrel at top.

21-11 Weather Boot
Made of high quality black rubber compound to prevent cracking and deterioration. Slips over RG-59 or RG-56 cables and 'F' connector. Has 7/16" I.D. barrel at top.

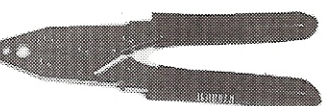
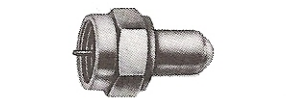
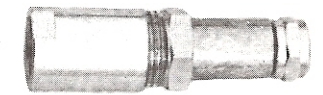
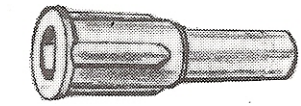
AF-201-AL Adapter
Adapter for connecting 412 cable to 'F' Female fitting or coupling.

TR-75-FCW Terminating Resistor
Weatherproof, a-c blocking 75 ohm terminator for 'F' chassis fittings, cable-mounted connectors or outdoor system feeder lines, which carry RF and a-c.

TR-75F Terminating Resistor
This precision 75 ohm 82 channel terminator can be used on all 'F' female fittings. Minimum return loss 30 dB on VHF and 25 dB for UHF.

TR-72B Terminating Resistor
A precision 75 ohm 82 channel terminator for wall plates WP-283/75 and SMWP-283/75. Can also be used with F-659 type connectors. Return loss is a minimum of 26.0 dB.

PL-602 Crimping Tool
Precision crimps CR-56, CR-59 and CR-11 Crimp Rings for fastening connectors onto coax. cables.



COAXIAL CABLES FOR PROFESSIONALS



CAC-59



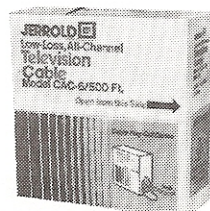
CAC-6



CAC-11

Features

- Lowest loss to 890 MHz.
- 80 dB reliable shielding, 40 to 50 dB better than RG types.
- Shielding maintained with normal bending and pulling encountered during installation.
- 'F' connectors install easily since thicker foil and extra shield prevent crumpling or tearing. And shield protects foil from knife damage when removing outer jacket.
- Black Polyvinyl Chloride jacket is impregnated with non-contaminating material for longevity in outdoor use. Jacket remains flexible in cold weather for ease of handling and connector assembly. CAC-59 and CAC-6 come in convenient play-out carton.



play-out carton.

These professional 82-channel Jerrold coaxial cables have lower loss, greater mechanical strength and superior shielding to common "RG," "RG-Foam" or "foil-drain wire" types.

Specifications — CAC-6, CAC-11, CAC-59

	CAC-6	CAC-11	CAC-59
Impedance	75 ohms	75 ohms	75 ohms
Return Loss (Match)	Better than 20 dB to 890 MHz		
Attenuation dB/100'			
Ch. T-7 (7 MHz)	0.57	0.31	0.69
Ch. 2 (54 MHz)	1.6	0.96	1.95
Ch. 13 (216 MHz)	3.2	2.10	3.9
Ch. 14 (470 MHz)	4.5	3.3	5.8
Ch. 83 (890 MHz)	6.6	4.6	8.1
Center Conductor (AWG # Copper Weld)	18	14	20
Dielectric O.D. (Cellular Polyethylene)	0.185"	0.285"	0.14"
First Shield (tape) Aluminum/Mylar/Aluminum*	.002"		
Second Shield (braid)	34 AWG Aluminum		
Jacket O.D. Low Temperature Polyvinyl Chloride	0.285"	0.407"	0.244"
Certified Sweep Compliance	Yes		

*Thickness, overlap 1/8" minimum.

SLR-Series

Starline SLR-Series line extenders are an integral part of a modern CATV distribution system, and are designed to operate with either push-pull or single-ended mainstations. Either mainstation with the SLR-Series line extender will form the most cost-effective, no-compromise CATV distribution system in the industry.

SLR-Series line extenders are 35 channel, push-pull, hybrid IC amplifiers that operate with a passband of 40 to 300 MHz (5-300 MHz, two-way). Depending upon system requirements, these cable-powered amplifiers are available for one-way or two-way filtered operation with a minimum full gain of 28 dB.

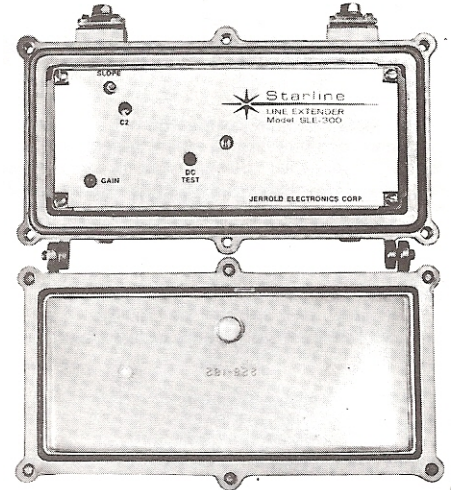
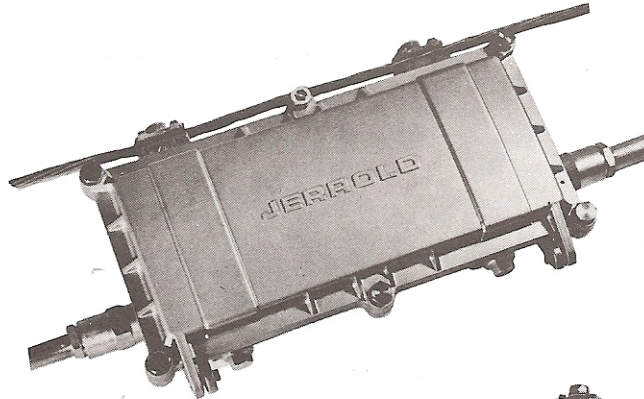
System reliability can increase . . . and maintenance can decrease . . . with the SLR-Series line extender. Each modular unit is equipped with built-in surge protectors at the input and output stages that guard the unit from surge voltages and ac line transients.

Combinations of the manual gain-control line extender with optional thermal equalizer, Model CTF-11A, or the automatic tilt-compensating gain-control line extender combine to provide system stability.

The automatic tilt-compensating gain control assumes all signal-level changes at the line extender input are due to temperature changes in the cable. The temperature change in the cable causes a change in slope (tilt) as well as attenuation. The control circuitry compensates the slope and gain of the line extender for these thermal variations in 21 dB of cable.

System r-f security is assured by the radiation-proof cast-aluminum housing and RFI gasket. A separate continuous weather gasket provides the same high level of security to protect the equipment from the physical elements.

Two-way feeder-line operation is accomplished by the DRA-30 series return amplifiers in the 5-30 MHz passband.



Models SLR-300 Series (One-Way)

Model SLR-300 is a one-way line extender with manual gain and slope controls. An optional plug-in thermal equalizer, Model CTF-11A, may be installed to compensate for changes in gain and slope due to ambient temperature swings (-40° to $+140^{\circ}$ F) in 11 dB of cable preceding the line extender.

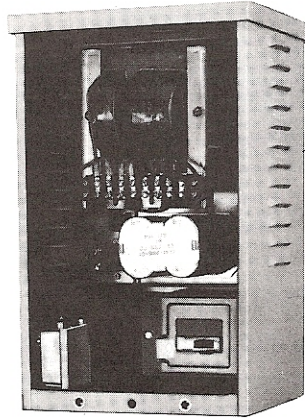
SPECIFICATIONS

MODEL	SLR-300
PASSBAND	40 to 300 MHz, for flatness stated
RESPONSE FLATNESS	1 dB or better at operational gain
MINIMUM FULL GAIN, without equalizer	28 dB
OPERATIONAL GAIN, recommended	25 dB
MANUAL GAIN CONTROL RANGE	10 dB minimum; additional attenuation by optional SXP-* pads (SXP-O is factory inserted)
MANUAL SLOPE CONTROL RANGE	8 dB minimum of cable at 300 MHz; additional compensation for attenuation vs. frequency by optional SEE-* networks, and vs. temperature by optional CTF-* networks.
MAXIMUM NOISE FIGURE, at full gain	9 dB at Channel 2, 11 dB at Channel W, without SEE-* or CTF-* networks.
RATED OUTPUT for 12 channels with 3 dB low-band block tilt and 3 dB slope for 30 channels with 3 dB low and mid-band block tilt and 3 dB slope for 35 channels with 6 dB slope	54 dBmV at Channel 13 51 dBmV Channel R 49 dBmV Channel W } for -57 dB cross-mod.
DISTORTION CHARACTERISTICS Cross-mod for 35 channels, 6 dB slope	at least -57 dB at 49 dBmV out at Channel W
2nd Order Beat/Signal Ratio, with 6 dB slope, measured at low-band edge of Channels 3, M and W	at least -66 dB referenced to 50 dBmV out at Channel W
Triple Beat/Signal Ratio, with 6 dB slope, measured at Channel 11 (9-11+13), Channel O (M-O+Q) and Channel V (T-V+W)	at least -76 dB at Channel 11, -70 dB at Channel O, and -70 dB at Channel V, all referenced to 49 dBmV out at Channel W
HUM MODULATION (by 60 Hz source)	at least -55 dB at 15 mV p-p bus ripple
OPERATING AMBIENT TEMPERATURE RANGE	-40 to $+60^{\circ}$ C (-40 to $+140^{\circ}$ F)
TERMINAL IMPEDANCE	75 Ω , input and output
TERMINAL MATCH, over passband	16 dB minimum return loss, input and output
A.C. INPUT OPERATING RANGE, selectable by taps on transformer primary of built-in a.c. supply	20 to 26 V rms., 900 mA, Tap #4 26 to 34 V rms., 700 mA, Tap #3 34 to 45 V rms., 500 mA, Tap #2 45 to 60 V rms., 400 mA, Tap #1 (factory-set)
A.C. BYPASS CAPABILITY	3A rms. through either port
A.C. DISPOSITION, by slide switch	STOP or THRU; factory-set to STOP
D.C. OUTPUT OF BUILT-IN SUPPLY	24.3 V \pm 5%, at 0.34 A
RIPPLE	3 V p-p maximum at TP1 referenced to B+, 15 mV on bus
POWER CONSUMPTION, at full load	21 W.
SURGE PROTECTION (wired-in gas tube at input and output)	145 V d.c. (striking), \pm 20%

Cable Power Supplies, MODELS SPS-C30B AND SPS-C60B

Models SPS-C30B and SPS-C60B are 30 and 60 V a.c. supplies for CATV systems where coaxial cables have to carry both r.f. energy and a.c. power. The units operate from a 115 V, 60 Hz utility line.

The power supplies have a voltage-regulating, dual-winding power transformer; a CSA listed circuit breaker and box (Model SPS-CB-KIT) for primary power protection; one self-healing, non-polarized, gas-filled surge protector; a 115 V a.c. auxiliary output jack; a secondary voltage indicator light; and a built-in filter that provides r.f. isolation.



The units are housed in a weatherproof sheet aluminum cabinet which has a padlock facility and is equipped with appropriate brackets, so that the power supply can be mounted on a utility pole or cross-arm, or on any surface where a 115 V a.c., 60 Hz, 3-wire source is available.

The power supplies are designed to deliver outputs of 30 and 60 V rms respectively. The a.c. output of the power supplies is coupled into the cable system via a Jerrold power inserter Model SPJ-3C (to be procured separately) which is connected at any convenient point to the coaxial cable.

SPECIFICATIONS

Model No.	SPS-C30B	SPS-C60B
PRIMARY, for full load	95 to 130 V, 60 Hz, 500 W max.	95 to 130 V, 60 Hz, 1050 W max.
SECONDARY, nominal	30 V rms	60 V rms
REGULATION ⁽¹⁾	output voltage will keep within +5% to -3.5% for line voltage variations between 95 and 130 V, and for resistive load current variations between 4 and 12 A	
OPERATING TEMPERATURE RANGE	-40°C to +60°C	
SURGE PROTECTION	gas tube, 145 V d.c., ±20%, 5 A, with 40 A follow-on	

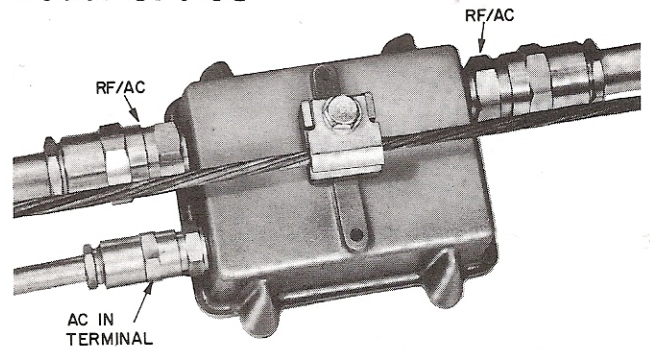
(1) a. Under the above conditions, the output peak voltage will not exceed 39 V and 78 V respectively.
b. For an input between 85 and 95 V, the secondary rms voltage can be as low as 28.25 and 56.5 V respectively.

Model SPD-30 is a test point probe with 30 dB built-in attenuation to connect field strength meter to test points on Starline equipment.



Model SPD-30

Power Combiner, Model SPJ-3C

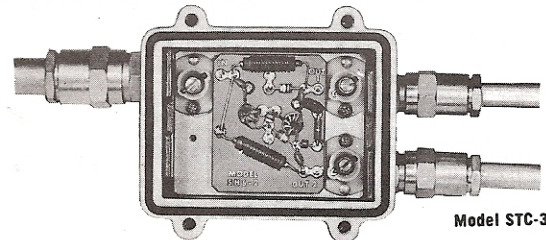


Model SPJ-3C, Messenger-Mounted, Rear View

Model SPJ-3C is a fuse-equipped network for combining r-f and ac power. These units are required wherever ac power from Model SPS-30/60A is injected into the trunk line cable.

PASSBAND	5-300 MHz
TERMINAL IMPEDANCE	75 Ω, all terminals
R-F FEED-THRU LOSS	0.4 dB, over passband stated
R-F VSWR	1.22:1 (min. return loss, 20 dB)
POWER-CARRYING CAPABILITY	10 A, each leg; 14 A, common
FUSING	15 A, each leg, 125 V ac arc-over

Power Passing Splitter and Directional Couplers, STC-()C Series



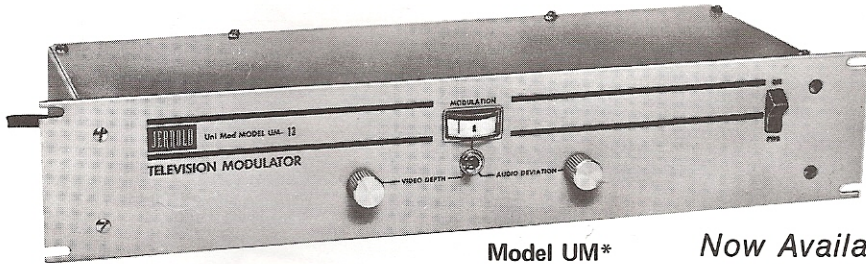
Model STC-3C*

Model STC-3C is a two-way, power-passing hybrid splitter with a nominal insertion loss of 3.5 dB.

Models STC-8C and 12C are directional couplers with low insertion loss to the line and high isolation (24 dB min.) between output and tap. Tap loss of STC-8C is a nominal 8.5 dB; of STC-12C, 12.5 dB.

MODEL	STC-3C	STC-8C	STC-12C
PASSBAND	5 to 300 MHz		
TAP ATTENUATION, dB maximum	3.9 each leg	9.2	12.8
ISOLATION, dB minimum	24	24	33
INSERTION LOSS, dB maximum	3.9	1.5	1.2
TERMINAL MATCH (min. ret. loss) dB	20 each leg		
CURRENT CARRYING CAPACITY	10 A each leg*		

*Total thru all legs cannot exceed 10 amps.


Model UM*
Now Available for Sub and Mid-Band.

uni-mod™

Adjacent Channel Modulator

Jerrold's Uni-Mod Modulator Model UM-* is an audio-video unit designed for adjacent channel operation in MATV and CCTV systems. The unit modulates separate RF carriers with video and audio program information, then combines and filters the signals to conform with a standard TV channel format. Uni-Mods are available with outputs on sub-channels T-8 thru T-13, standard VHF-TV channels 2 thru 13 and Mid-Band Channels A thru I. Output level is sufficient to drive a medium size distribution system directly and sharp skirt filtering allows mixing with off-the-air channels. (See the mixing diagram.) Flat video response and low differential phase and gain specifications give the Uni-Mod excellent video performance. Meter face simplicity allows even the non-technical operator to set up and produce quality pictures.

Setup requires only input and output connections to be made and levels to be set. Video input is made through a 75-ohm coaxial cable and audio input through a 600-ohm pair. A single 75-ohm coaxial connection provides the output for the visual and aural RF signals. RF output level control, located on the back of the unit, provides 10 dB of adjustment. Visual modulation and aural deviation are metered separately and can be adjusted by the appropriate front panel control. Controls are correctly set when the needle is positioned over the black dot on the meter. The backlit on-off switch tells the operational status of the unit at a glance.

The Uni-Mod occupies 3½" of rack space in a standard 19" rack panel.

*Specify TV channel.

FEATURES:

- Monochrome or Color Operation
- Front Panel Control and Metering of Aural and Visual Modulation
- Adjacent Channel Operation Made Possible by Unique Helical Resonator Bandpass Filter
- Crystal Controlled Visual Carrier
- 4.5 MHz Aural Offset Automatic Frequency Controlled with Integrated Circuitry

UNI-MOD SPECIFICATIONS

Video

Input Impedance	75 ohms, VSWR: 1.5:1 (14 dB return loss)
Input Type	Composite video, sync negative
Input Level	0.5 V p-p (for 87.5% modulation)
Frequency Response	±0.5 dB to 4.2 MHz
Differential Gain	2 dB @ 3.58 MHz, full modulation
Differential Phase	5° @ 3.58 MHz, full modulation
Metering Control	Peak depth of Modulation Depth of Modulation

Audio

Input Impedance	600 ohms, unbalanced
Input Type	Baseband audio
Input Level	50 mV RMS (−35 dBm) for full deviation
Frequency Response	100 Hz to 15 kHz, ±1 dB to std. 75 μsec. pre-emphasis
Harmonic Distortion	3%
Metering Control	Deviation Amount of Deviation

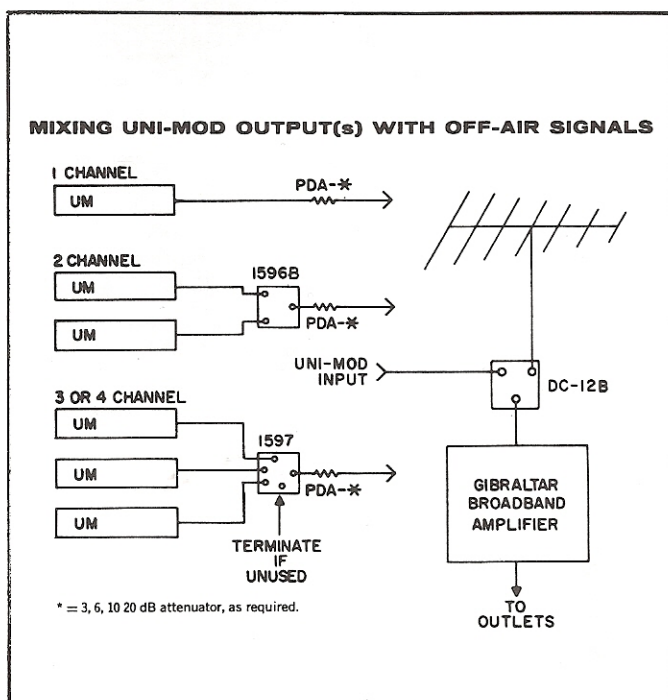
RF

Output Impedance	75 ohms, VSWR: 1.5:1 (14 dB return loss)
Output Level	Visual Carrier +40 dBmV, adjustable, +37 dBmV high band
Aural Carrier	10 to 15* dB below visual, adjustable
Output Frequency	Visual Carrier VHF channel (2-13, T8-T13 and A-I crystal controlled, .005%)
Aural Carrier	4.5 MHz above visual carrier, AFC-controlled within ±3 kHz
Output Control Range	10 dB
Spurious Output	−60 dB, except lower adjacent channel, which is −52 dB

*Aural carrier factory-set for 15 dB below visual.

General

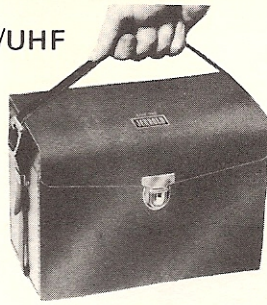
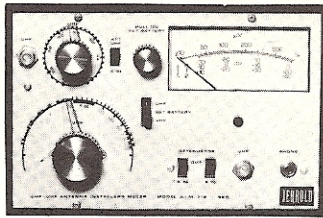
Temperature Range	0°C (32°F) to 50°C (122°F)
Power Requirements	117 V, 60 Hz, 17 W
Dimensions	19" W x 3½" H x 7¼" D



FIELD STRENGTH METERS



Model AIM-719A VHF/UHF



Designed for the professional antenna installer, this solid-state unit is accurate and easy to use. Compact, battery-operated and portable, it weighs only 6½ pounds. The AIM-719A is housed in a rugged case with a large accessory compartment. A convenient neck strap facilitates hands-free operation.

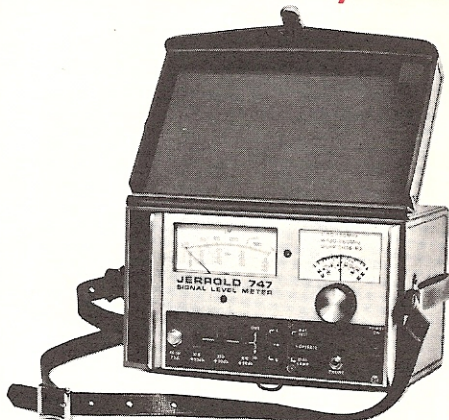
The meter reads directly in dBmV (and microvolts) and provides continuous coverage of 54 to 216 MHz for VHF TV-FM, 470 to 890 MHz for UHF TV.

To conserve battery power, the AIM-719A automatically turns itself off when the cover is closed. Input is 75 ohms, but the AIM-719A will also accept 300-ohm inputs with the plug-in matching transformer supplied with the instrument. An audio jack and mating plug and earpiece are also included.

Input Impedance	Direct 75 ohms (or 300 ohms with plug-in matching transformer supplied)
Meter Ranges	—30 to 0 dBmV (32 μ V to 1000 μ V) —10 to +20 dBmV (316 μ V to 10,000 μ V) +10 to +40 dBmV (3160 μ V to 100,000 μ V)
Accuracy	VHF: ± 2 dB, UHF: ± 4 dB (+20°F to +100°F)
Tuning Range	Continuous 54 to 216 MHz, 470 to 890 MHz
Sensitivity	20 μ V @ 75 ohms, 40 μ V @ 300 ohms
Batteries	Four, 9-volt (Eveready #216 or equal—not supplied)
Size (with carrying case)	9¾" long x 5½" wide x 7½" high
Weight (including batteries and accessories)	6½ pounds

Model 747 FSM VHF/UHF

... for the Professional TV System Installer



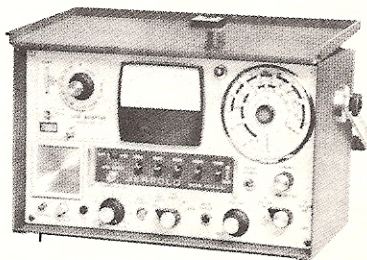
Jerrold's new 747 is a tunable RF voltmeter for measuring signal levels in the frequency range of 40 to 260 MHz and 470 to 890 MHz. An extended VHF range gives the added capability of measuring mid-band and

super-band channels which are indicated on the tuning dial. Single knob tuning and one 75-ohm input connection for all frequency ranges make signal level measurements quick and easy. Dial lights provide illumination sufficient to read and operate the meter in low light level areas. Low center of gravity keeps the meter in an upright position ready for operation while leaving both hands free.

High level audio output and ear phone provide audible signal for channel identification. The meter indicates in dBmV and μ V with a level range of 10 μ V (—30 dBmV) to 1 Volt (+60 dBmV). Accuracy holds over the temperature range of 20 to 100° F. Power is automatically turned off when the meter cover is closed.

Frequency Ranges	VHF: 40-260 MHz UHF: 470-890 MHz
Attenuators	3, 20 dB switches
Meter Ranges	Microvolt Scale dBmV Scale with attenuators
Accuracy	VHF: ± 1.75 dB Over temperature Range UHF: ± 3 dB +20° to 100° F
Input	Single "F" connector, 75 ohms Match: VHF: 1.4 max., UHF: 1.8 max.
Power Supply	Four 9 V batteries electronically regulated (2 required for operation. Dial lights require two 1.5 V "C" batteries)
Selectivity	0.5 MHz at 3 dB points
Adjacent Channel Rejection	35 dB between video and nearest adjacent (1.5 MHz) sound carrier

Model 727 FSM VHF/FM



Jerrold Model 727 is an outstandingly accurate and reliable instrument featuring fully solid-state circuitry. Model 727 is a direct reading, tuned rf voltmeter (Field Strength Meter) for sub-VHF, VHF-TV, and FM measurements. This rugged, accurate, and easy-to-use instrument will make rf signal strength measurements within the frequency range of 5 to 216 MHz in four ranges. Unit provides a recorder output for signal surveys; a video output jack for detected output of video signal; and meter range indication to eliminate need for calculation. Bright frequency and meter dial lights permit easy use in subdued or darkened ambient light conditions.

Model UH-727 Plug-in Adapter, available separately, extends frequency range to cover UHF band (470-890 MHz). Photo shows 727 with Adapter installed.

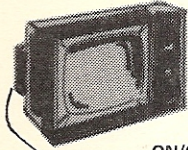
Professional Standard for Field or Bench Use

Frequency Ranges	A. 5 to 50 MHz B. 54 to 108 MHz C. 108 to 162 MHz D. 162 to 216 MHz
Measurement Ranges (full scale)	10 μ V to 3 V in 10 ranges
Accuracy	± 1.5 dB at 77°F, ± 3 dB from ± 15 °F to 140°F
Video Output Capability	0.8 V p-p for +10 dBmV input
Sensitivity (max.)	10 μ V
Selectivity	0.6 MHz at 3 dB points
Adjacent Sound Carrier Rejection	50 dB down from level of received video carrier
IF	52 MHz
Input Impedance and Match (above 100 μ V)	75 ohms, VSWR 1.22:1, 20 dB minimum return loss
Power Requirements	AC Line—2 W, 90-130 V, 0.3 A max. Internal Battery—12 V, 0.6 Ah, 30-40 mA External Battery—12-15 V

Jerrold's Push-Button TV Remote Control

For all channels . . . VHF/UHF . . . For all TV sets

CONVERTER UNIT
At back of TV set



REMOTE ON/OFF CONTROL OF TV

25' PLUG-IN CONTROL CORD
with additional extension cords available

UNIVERSAL
For all TV sets-color or black and white

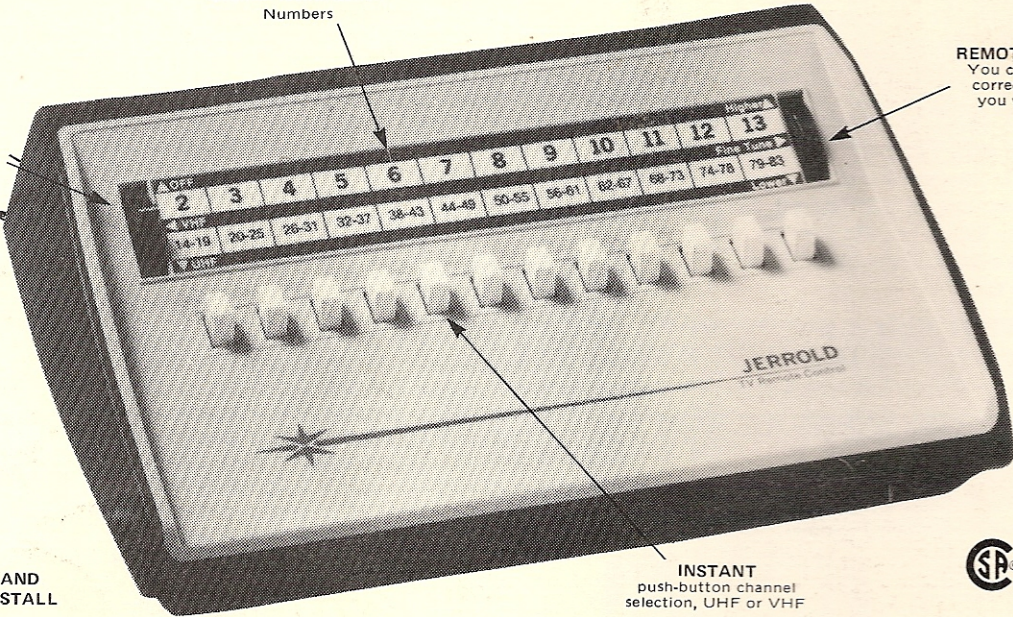
COMPLETE AND READY TO INSTALL

EXTRA-LARGE EASY-TO-READ Channel Identification Numbers

IMPROVES TV PICTURES
Amplifies TV signals reduces noise (snow)

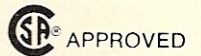
REMOTE FINE TUNING
You can now fine tune correctly from where you view the picture

STYLING
to complement any decor



INSTANT
push-button channel selection, UHF or VHF

ELECTRONIC TUNING
No motion or motors used, eliminating TV tuner abuse



Models TRC-82-3, TRC-82-4

Model TRC-82 consists of a varactor-controlled all-channel converter unit which locates near the TV set, and a remote push-button control box.

A 25-foot slimline control cord plugs into the converter to connect the two units. A 5-foot coaxial cable with matching transformer comes with the unit to connect to the VHF input of the TV set.

The TV receiver remains permanently set on either channel 3 or 4. The line cord of the TV set plugs into the polarized a-c outlet on the TRC-82.

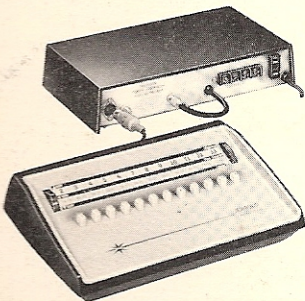
TRC-82 will remote control any TV set and can be used in any (or all) rooms in the house or apartment. Input signal can come from any TV antenna or MATV system.

TRC-82 comes individually cartoned and complete with instructions. It is easy to hook up.

Choice of TRC-82-3 or TRC-82-4. This is usually not critical unless location is close to the transmitter. Then, if the transmitter is channel 4, use TRC-82-3, or visa versa. If neither channel 3 or 4 are nearby, use either unit. **All 12 VHF channels including channels 3 and 4 can be selected by any TRC-82.** (An internal tuning adjustment permits a technician to field retune the converter output from 3 to 4 or 4 to 3.)

Customizing the UHF channel complement. As received from the factory the unit will fine tune across the UHF channels marked at each push-button position. The internal potentiometers in the control unit may be set for specific UHF channel selection.

Extending the control cable. The length of control cable is not critical (at least up to 100 feet). Additional cable for extensions is available in 25-foot lengths with factory-wired connectors. (specify TRC-82-25CD)



Easy to install . . . fun to use . . . extends the life of TV tuner . . . gives a stronger picture . . . and it works with all types of antennas.

Indoor . . . Outdoor . . . or Master Antenna.

Specifications — TRC-82-3, TRC-82-4

Input Channels	VHF: Channel 2 through 13. UHF: Channel 24 through 83.
Output Channels Model TRC-82-3 Model TRC-82-4	Channel 3 (60-66 MHz). Channel 4 (66-72 MHz).
Gain	2.0 dB minimum, 10 dB maximum.
AGC Range	6 dB maximum output change for input change of 45 dB, VHF or 35 dB UHF.
Noise Figure	VHF: 10 dB, maximum. UHF: 12 dB, maximum.
Fine Tuning Range	VHF: ± 3 MHz, nominal. UHF: ± 30 MHz, nominal.
Cross-Modulation (12 channels in at 15 dBmV each)	-46 dB, typical.
Impedances Input Output (channel 3 or 4)	VHF: 300 or 75 ohm. UHF: 300 ohm. 75 ohm.
Auxiliary AC Outlet	500 watts, maximum
Power Consumption	117 V, 60 Hz, 8 watts.
Size Converter Unit Control Unit	10 1/2" x 5 1/4" x 2 1/4" (26.7 cm x 13.3 cm. x 5.7 cm.). 8 1/2" x 5 1/2" x 2 1/2" (21.6 cm. x 14 cm. x 6.3 cm.).
Shipping Weight	7.3 lbs. (3.3 kg)



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GENERAL INSTRUMENT CORPORATION

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