

Channel Master®



**-TV & FM
ANTENNAS
AND
ACCESSORIES**



VIEW: A
RIVETS - 2
7/16-2 REQ'D
LNTH=24(REF)
LNTH=19(REF)
LNTH=25
LNTH=26
LNTH=24
LNTH=25
LNTH=26
LNTH=27
LNTH=28
LNTH=29
LNTH=30
LNTH=31
LNTH=32
LNTH=33
LNTH=34
LNTH=35
LNTH=36
LNTH=37
LNTH=38
LNTH=39
LNTH=40
LNTH=41
LNTH=42
LNTH=43
LNTH=44
LNTH=45
LNTH=46
LNTH=47
LNTH=48
LNTH=49
LNTH=50
LNTH=51
LNTH=52
LNTH=53
LNTH=54
LNTH=55
LNTH=56
LNTH=57
LNTH=58
LNTH=59
LNTH=60
LNTH=61
LNTH=62
LNTH=63
LNTH=64
LNTH=65
LNTH=66
LNTH=67
LNTH=68
LNTH=69
LNTH=70
LNTH=71
LNTH=72
LNTH=73
LNTH=74
LNTH=75
LNTH=76
LNTH=77
LNTH=78
LNTH=79
LNTH=80
LNTH=81
LNTH=82
LNTH=83
LNTH=84
LNTH=85
LNTH=86
LNTH=87
LNTH=88
LNTH=89
LNTH=90
LNTH=91
LNTH=92
LNTH=93
LNTH=94
LNTH=95
LNTH=96
LNTH=97
LNTH=98
LNTH=99
LNTH=100

UNLESS NOTED TOLERANCES TO BE
DEC ± FRACT ± 1/16 ANG ±

Channel Master®

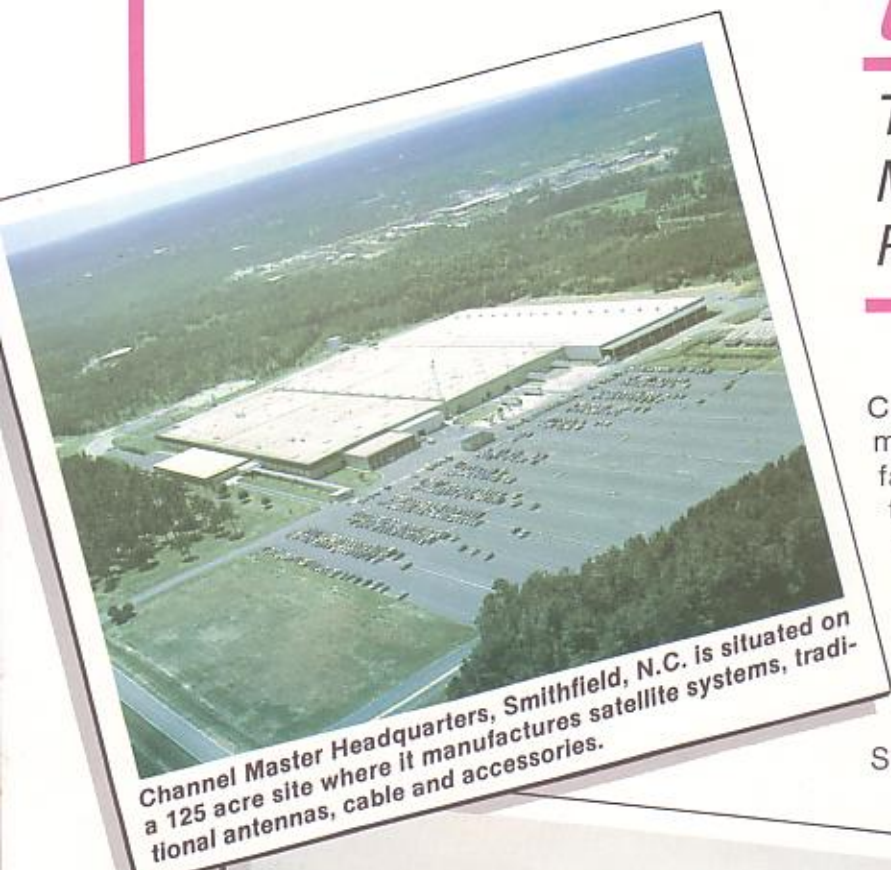
The World's Largest Manufacturer of TV/FM Reception Equipment.

Channel Master®, a Division of Avnet, Inc., is a multinational company with manufacturing facilities located around the world. Together, these operations form a large production network allowing Channel Master to produce a wide variety of off-air, satellite and microwave products for new and existing markets.

The 700,000 square foot main manufacturing facility and headquarters is located in Smithfield, North Carolina near the renowned Research Triangle Park. This area has long been a respected center for high-tech product development and manufacturing. Three research universities, plus numerous colleges and technical schools, provide an excellent pool of engineering talent with expertise in mechanical and electrical design.

Channel Master pioneered clear TV reception with the first preassembled rooftop antenna in 1949. It is with this spirit that Channel Master continues its development of new products through the use of its Research & Development laboratories.

Together with our international manufacturing facilities in Taiwan, Malaysia, Canada and England, the Smithfield facility allows Channel Master competitive advantages such as innovative engineering, high-volume production, quality control and efficient customer service.



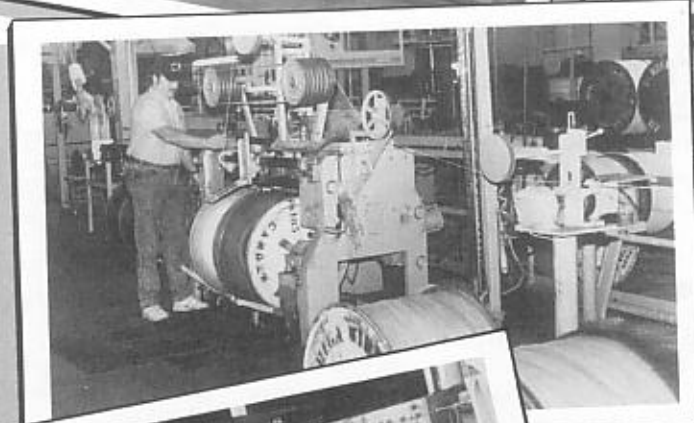
Channel Master Headquarters, Smithfield, N.C. is situated on a 125 acre site where it manufactures satellite systems, traditional antennas, cable and accessories.



**St. Thomas, Ontario, Canada
Antennas and Rotator Manufacturing.**



One of 3 Channel Master electronic plants in Kaoshiung and Taipei, Taiwan, R.O.C.



1. Traditional off-air antenna manufacturing line.
2. Antenna boom ends are spun and lengths are punched prior to element assembly. 3. After inspection, all antennas are given a chromate treatment for greater weatherability. 4. Powder coat paint gives DURA-TUBE® masting and CROSSFIRE® antenna booms an extra durable finish. 5. Antennas are packaged and then warehoused prior to shipment. 6. Millions of feet of over 24 varieties of cable are produced each year. 7. MATV and ASE electronic components are inspected and quality control tested.

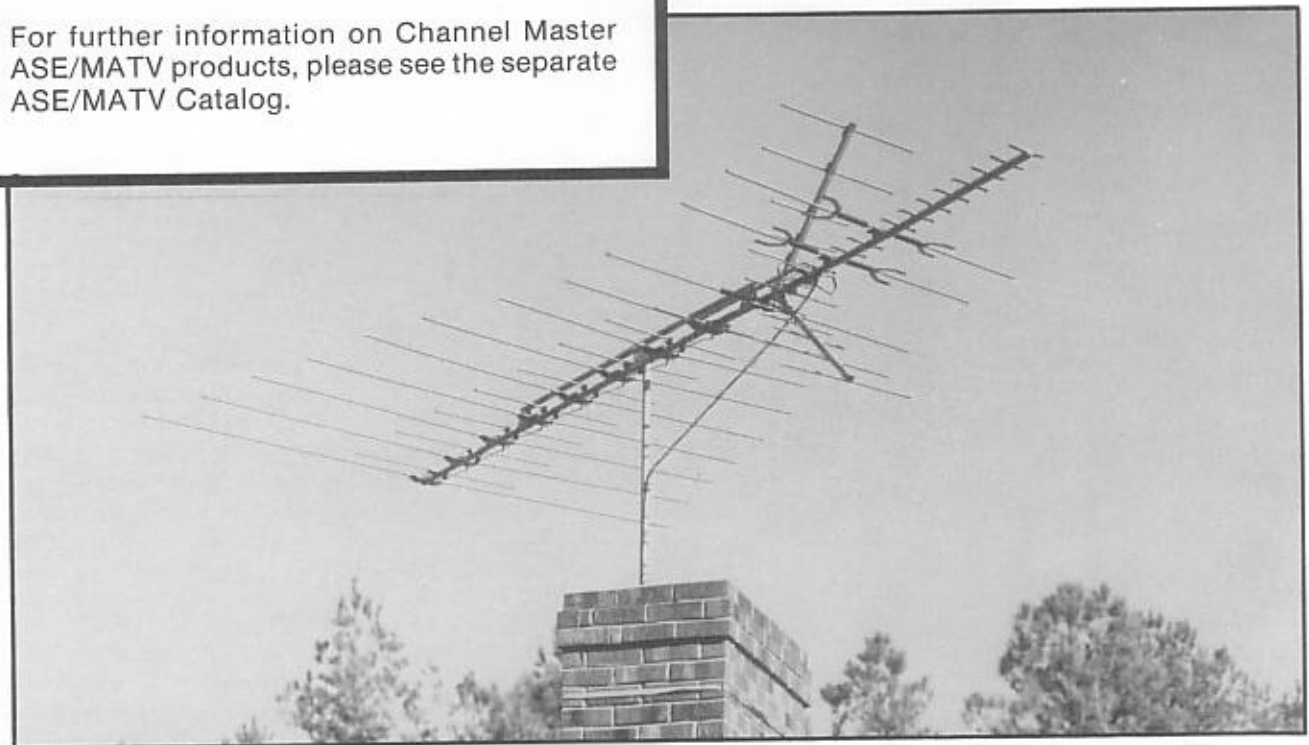
Channel Master®

ANTENNAS AND ACCESSORIES/ANTENNA SYSTEMS

INDEX	PAGE
MODEL NUMBER INDEX _____	3
Accessories (Antenna) _____	30
Antenna Discharge Units _____	30
Area Special Antennas _____	23
CHANNEL KING® Antennas _____	12, 13
Chemicals _____	30
Coaxial Cable _____	27, 28
COLORAY® Antennas _____	17
Colormax Indoor Antennas _____	24
CROSSFIRE® Antennas _____	8, 9
CROSSFIRE® Antennas (Ultra-Hi) _____	10, 11
Do-It-Yourself Antennas and Hardware _____	14, 15, 16
FM Antennas and Accessories _____	23
Ground Wire _____	29
Guy Ring (Ball Bearing) _____	26
Guy Wire _____	29
Hardware _____	32
Masting _____	34
Mounts, Base _____	31
Chimney _____	31
Eave _____	31
Vent _____	31
Wall _____	32
Phone Wire _____	29
QUANTUM®, Accessories _____	7, 36, 40
QUANTUM® Antennas _____	6, 7
QUANTUM® (Diamond UHF Antennas) _____	18

Rotators _____	25, 26
Rotor Alignment Bearing _____	26
Rotor Wire _____	29
Scanner Antenna _____	21
Stereo Probe (FM Antenna) _____	23
Super-Vee _____	17
Transmission Line _____	27, 28, 29
Tripod Mounts _____	33
Tri-Mast Mounts _____	33
Twinlead _____	28, 29
UHF Antennas _____	19, 20, 23
VHF Broadband Antennas _____	6-9, 12, 13, 18
Yagis (Conical, VHF) _____	18
Yagis (MATV Professional) _____	22
Yagis (Z-Match) _____	22
ANTENNA SYSTEMS EQUIPMENT _____	35-40
Amplified Couplers _____	35
Baluns (Matching Transformers) _____	38
Band Rejection Filters, Band Joiners/Separators _____	38
Couplers _____	38
Economy Amplifiers _____	35
Indoor Amplifiers _____	35
JOIN-TENNA® System, Antenna Joiners _____	39
QUANTUM® Cartridge Amplifiers _____	37
Spartan Preamplifiers _____	36, 37
Super Titan Preamplifiers _____	40

For further information on Channel Master ASE/MATV products, please see the separate ASE/MATV Catalog.



ANTENNAS AND ACCESSORIES NUMERICAL INDEX

MODEL NO.	PAGE	MODEL NO.	PAGE	MODEL NO.	PAGE
0008-0010	35	3610B-3615	8, 9	9066-9069	31
0029C	36, 37	3617B	8, 9	9072, 9073	31
0035B, 0036	38	3619	17	9074	32
0040C	36, 37	3643A	12, 13	9075, 9076	30
0052A	35	3645A-3649A	12, 13	9080	29
0055	9, 23	3671B-3679A	10, 11	9082	29
0059C	36, 37	3803	24	9085	29
0060	35	4102-4104	24	9090	29
0062	35	4149	24	9100, 9101	30
0063C, 0064C	36, 37	4193, 4194	20	9108	30
0066	35	4211, 4212	19	9137-9139	33
0068C, 0069C	36, 37	4221A	20	9147	33
0071C	36, 37	4225A	20	9354, 9355	28
0089	7, 38	4228A	20	9359	28
0090	38	4247, 4248	18	9375	28
0096C	7, 37	4250, 4251	19	9392-9394	28
0098C	7, 37	4257	18	9510A	25
0100C	7, 37	4259, 4260A	23	9513	26
0214	38	4308, 4309	19	9515	26
0233, 0234	38	4403	23	9523	26
0237, 0238	38	4408, 4409	23	9525	26
0243, 0244	38	4469	33	9527A	25
0246	38	4834	33	9529	27
0248	38	5070, 5080, 5090	22	9530	27
0263C, 0264C	36, 37	5094A, 5095A	21	9533	27
0268C	36, 37	5100, 5110, 5120, 5130	22	9538	29
0272-0283	39	5520, 5530, 5540, 5550, 5560	22	9539	27
0285	39	5602-5606	22	9540	27
0514	38	5646	17	9541	29
0523C	35	7145	22, 38	9542	27
0533	38	7475-7477	40	9544	27
0537	38	9001, 9002	31	9549	27
0548	38	9003, 9004	33	9554	29
0572-0583	39	9005	31	9555	28
0585	39	9007, 9008	33	9557	29
1087-1093	22	9012	30	9580	28
1110-1114	6, 7	9013, 9014	31	9591	28
1126	22	9015	30	9593	29
1160A-1165B	6, 7	9016	32	9619	30
1473	22	9017	30	9623-9625	30
1507-1513	22	9023	32	9628, 9629	30
1607	34	9025	32	9631	30
1610	34	9029	31	9632-9634	32
1612	34	9032	32	9640	32
1615	34	9034	32	9645	32
1617	34	9036	32	9651	32
1620, 1630, 1640, 1650	34	9039-9041	31	9660	32
1807	34	9050	30	9662	32
1810	34	9057, 9058	31	9666-9668	32
1812	34	9060	31	9672, 9673	32
1820, 1830, 1840, 1850	34	9062-9064	31	9676	32
2007	34				
2012	34				
3014-3020	15				
3050-3053	28				
3069-3075	16				
3077-3081	16				
3082	18				
3083-3088	16				
3090-3092	16				
3094	15				
3095-3099	16				
3100	16				
3350, 3351	29				
3428	18				
3450	18				
3600A, 3601A	12, 13				
3603A, 3604A	12, 13				
3606A	12, 13				

Channel Master[®]

No portion of this catalog may be reproduced or excerpted wholly or in part, nor may any photographs or drawings be reproduced for any purpose without the written consent of Channel Master, Division of Avnet, Inc.

Copyright 1990
Channel Master, Division of Avnet, Incorporated
All Rights Reserved
Printed in U.S.A. 7/90 IBM #9850 (16248A)

GENERAL INFORMATION

WARRANTY INFORMATION

TELEVISION ANTENNA PRODUCTS: Limited Warranty—Labor Not Included

Channel Master warrants to the original purchaser that this antenna product is free from defects either in material or workmanship and agrees to repair or replace, within 90 days, any such defect, or to furnish a new part in exchange provided, in our judgement, the impairment was due to original workmanship or original material failure. The warranty will be honored only if the unit is delivered by the purchaser at his expense to the place from which it was purchased. The unit must be delivered intact, for examination with all transportation charges paid, within 90 days from the date of sale to original purchaser.

Any unit approved for repair or exchange under the provisions of the warranty will be repaired or exchanged for a new unit by the authorized dealer, wholesaler or by Channel Master. There will be no additional charge to the original owner of the unit for repair or replacement. However, installation charges for removing or replacing the unit are not covered, and will not be honored by Channel Master under the terms of this warranty agreement.

This warranty does not cover products that have been misused, neglected, accidentally damaged, or impaired by severe weather conditions such as excessive wind, ice, storms, lightning, or other natural occurrences over which Channel Master has no control. This warranty applies only to products used within the United States and is void outside the boundaries of the United States of America.

ROTATORS and ANTENNA AMPLIFIERS: 90 Day Instant Replacement Guarantee (Limited Warranty—Labor Not Included)

Should this product prove defective (due to defective materials or workmanship) within 90 days, your dealer will replace it with a new one, off his shelf, instantly.

This Channel Master product is guaranteed to be free from defects in material and workmanship under normal use and service. We agree to replace it at no charge, if within 90 days after the delivery of the unit to the original retail purchaser it is returned to us through our dealer and distributor with all transportation charges prepaid, and if our examination reveals to our satisfaction that the product is defective.

This guarantee shall not apply to any product which shall have been repaired or altered in any way so as, in our judgement, to affect its stability or durability, nor which has been subject to misuse, negligence or accident, nor has had the serial number altered, affected or removed. Nor shall this guarantee apply to any product which has been operated otherwise than in accordance with the instructions furnished by us.

This guarantee is in lieu of all other guarantees expressed or implied, and we neither assume nor authorize any representative or other person to assume for us any other liability in connection with the sale of our products.

DEALER INFORMATION:

Through the proven reliability of Channel Master Antenna Amplifiers, we are able to offer an extended Prorated Warranty Program. This program has been designed to give you and your customers the best antenna amplifier warranty available today.

Prevent Electric Shock!

WARNING! Installation or removal of antennas near power lines is dangerous. Read and carefully follow the instructions for safe installation included with every Channel Master antenna.

Never let any part of the antenna, mast, or guying assembly touch any power line. If a metal part

does touch a line, it will complete an electrical path through the antenna to you, and you could be killed or seriously injured.

We strongly recommend that you stay a minimum of twice the total length of the antenna and mast away from all power lines.

A WORD ABOUT ANTENNA SPECIFICATIONS

All Channel Master VHF/FM and UHF/VHF/FM antennas are classified according to sensitivity; for example, "fringe," "suburban," etc. These ratings are designed to indicate at what distance from a TV transmitter the antenna provides the best reception. These ratings are based on optimum conditions over unobstructed terrain. Factors such as the type of terrain, the number and placement of buildings along the signal path, and the height and power output of the transmitting tower will have a bearing on the type of antenna which is appropriate.

Channel Master has long been recognized as the foremost designer of high performance antennas. Our engineers have prepared the following classifications according to exacting standards. Examine very carefully any manufacturer's claim of greater performance.

The following chart is intended as a general guide for selecting antennas:

Area Designation	For VHF	For UHF
Deepest Fringe	100+Miles	60+Miles
Deep Fringe	100 Miles	55 Miles
Fringe	80 Miles	45 Miles
Near Fringe	60 Miles	35 Miles
Far Suburban	45 Miles	25 Miles
Suburban	30 Miles	15 Miles
Metropolitan	20 Miles	10 Miles

Additional performance information is available from:

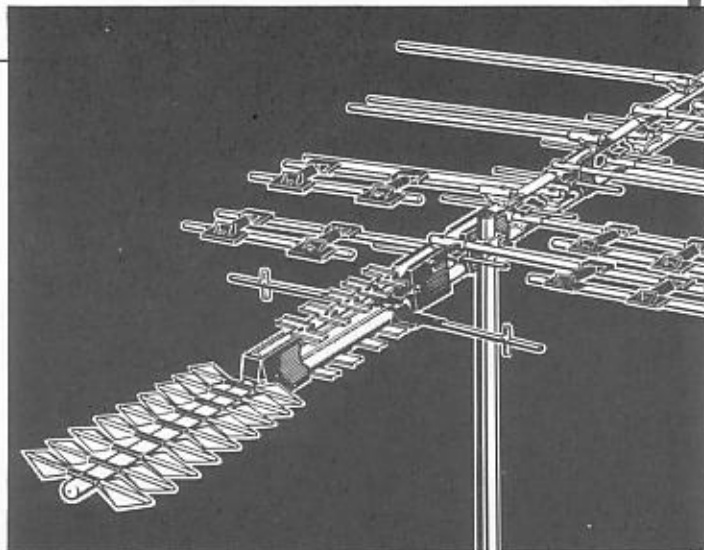
Channel Master[®] Division of Avnet, Inc.
Industrial Park Drive, Smithfield, North Carolina 27577
Telephone: (919) 934-9711 FAX: (919) 989-2200

When To Use QUANTUM[®]?

QUANTUM[®] ANTENNAS REJECT INTERFERENCE BETTER THAN ANY OTHER ANTENNA ON THE MARKET.

Innovative engineering has provided QUANTUM[®] with high gain and an extremely narrow beamwidth that will zero in on a TV transmitter without picking up interference from the sides or rear. A series of patented front-fed directors coupled with a highly efficient rear reflector and a unique tapered drive system give QUANTUM[®] its narrow beamwidth and an amazingly superior front directivity.

QUANTUM[®] front-to-back ratios are as high as 35 dB— an average of 25% higher than other manufacturer's so-called "high-powered" antennas. When a reception area has ghosting, potential co-channel problems, strong local signals from TV, FM, CB, etc., QUANTUM[®] is the best antenna to use.

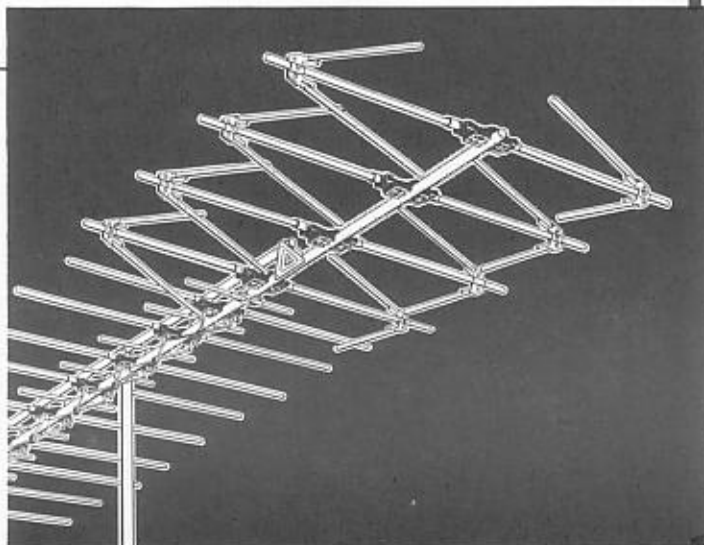


When To Use CROSSFIRE[®]?

CROSSFIRE[®] DELIVERS GREATER SIGNAL POWER (GAIN) PER SIZE THAN ANY OTHER ANTENNA AVAILABLE.

And this is true for every reception range category. The CROSSFIRE[®] secret is higher proportional energy absorption. Higher proportional energy absorption means that CROSSFIRE[®] has more working elements per TV channel, thereby greatly increasing antenna efficiency across the entire bandwidth.

Where a good, strong signal is desired, and interference is not a serious problem, CROSSFIRE[®] is the antenna of your choice.



Channel Master® QUANTUM® UHF/VHF/FM ANTENNAS

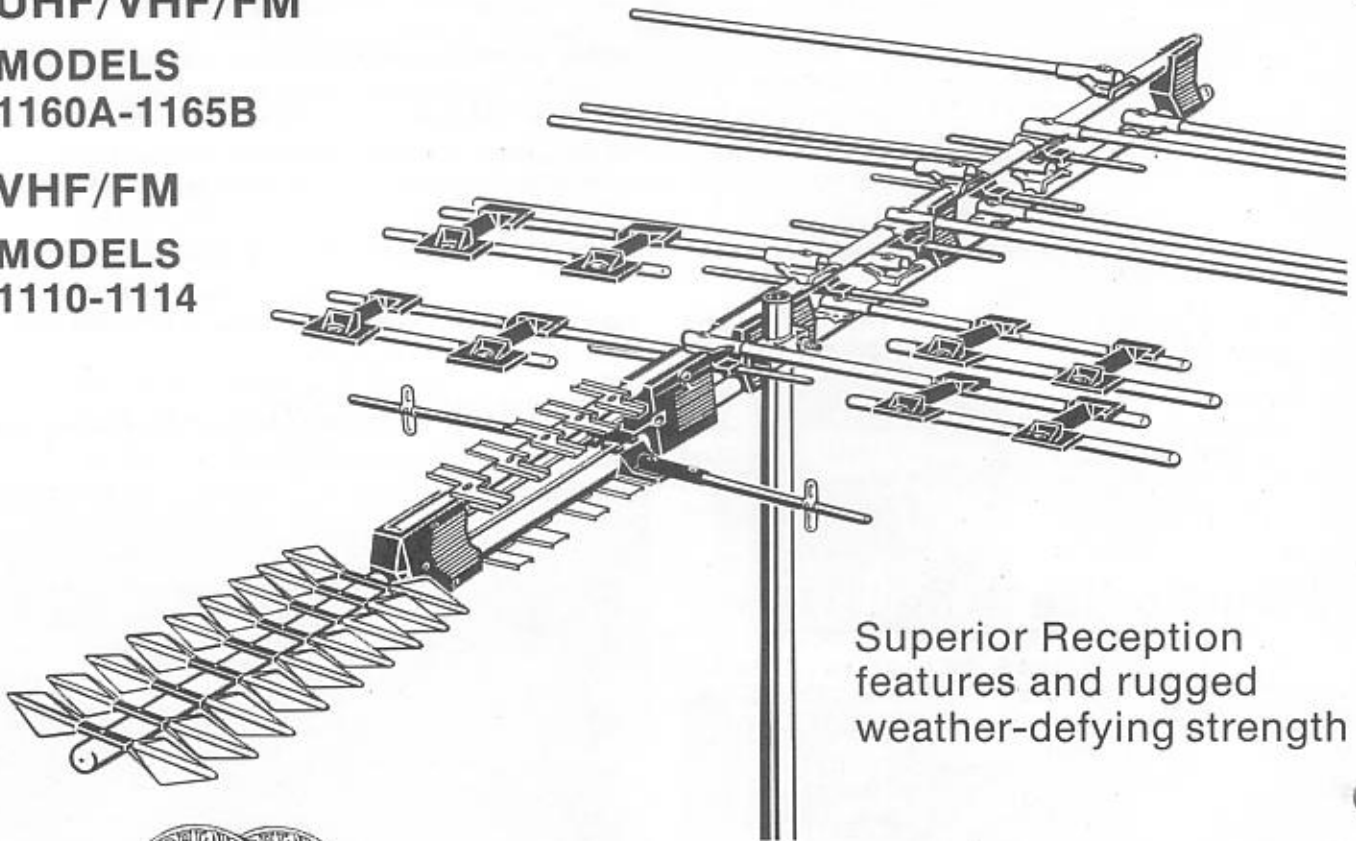
QUANTUM® ANTENNAS

UHF/VHF/FM

MODELS
1160A-1165B

VHF/FM

MODELS
1110-1114



Superior Reception
features and rugged
weather-defying strength



Gold EPC Coating

▶ **Spun boom ends** offer stability in high winds and prevent annoying wind whistle.

Diamond back director train for superior UHF performance.

▶ **Heavy duty elements** to withstand wind and weather.

Rugged double truss construction on all models for superior strength and stability.

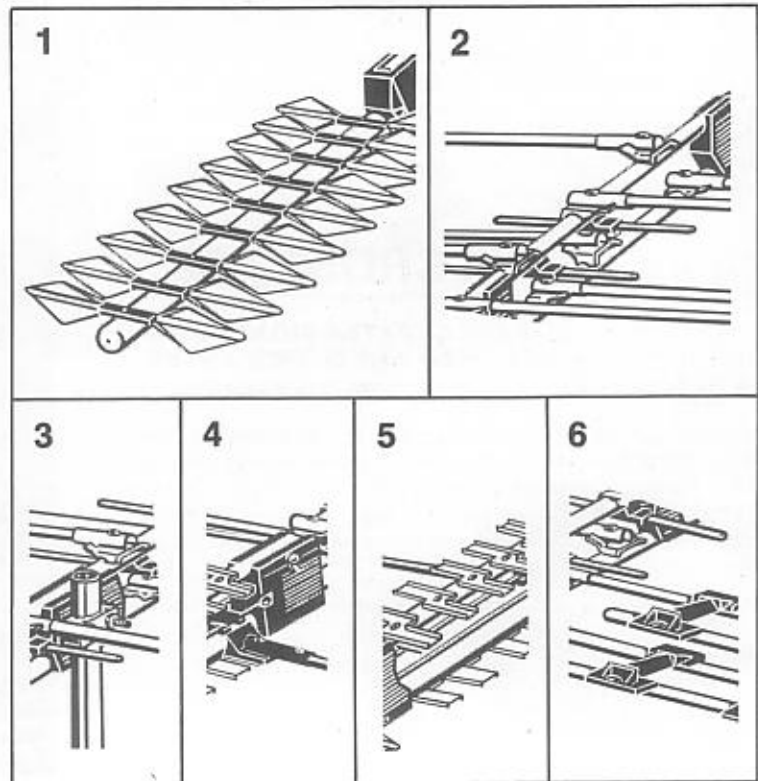
Rugged snaplocks and reinforced sleeves on long elements.

▶ **Heavy duty nest** with rugged 3/8" bolts.

▶ **Built-in weather protected electronic housing compartment** with insulation piercing terminals. Provides safe placement for optional modules.

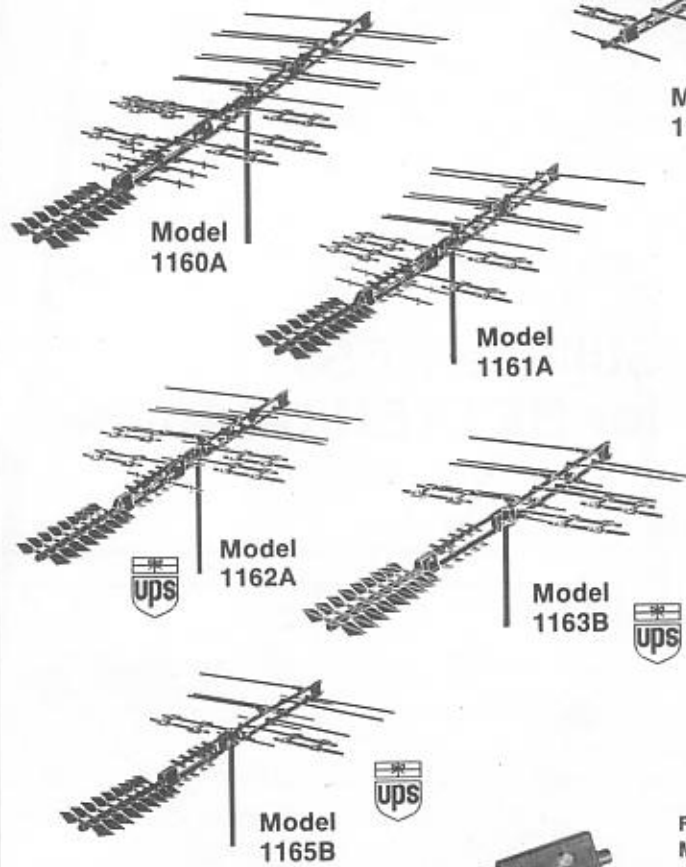
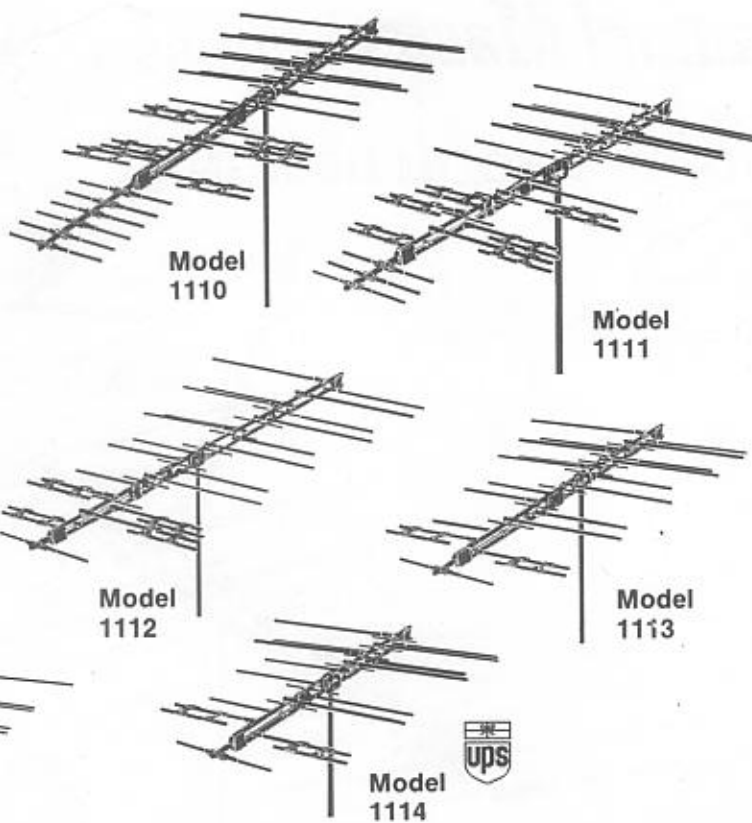
▶ **UHF tabs** eliminate possible interference between UHF and VHF signals.

▶ **Heavy Duty ABS Insulators** for support even in hurricane weather.



QUANTUM® VHF/FM

Model	Description	Length
1110	Deepest Fringe	189"
1111	Deep Fringe	146"
1112	Fringe	126"
1113	Near Fringe	114"
1114	Far Suburban	85"



QUANTUM® UHF/VHF/FM

Model	Description	Length
1160A	Deepest Fringe UHF/VHF	189"
1161A	Deep Fringe UHF/VHF	162"
1162A	Fringe VHF, Deep Fringe UHF	139"
1163B	Near Fringe VHF, Deep Fringe UHF	128"
1165B	Suburban VHF, Deep Fringe UHF	114"

FREE Band Splitter included with all UHF/VHF QUANTUM® Models. The Model 7291 is a compact, lightweight, behind-the-set band separator that incorporates either 75 or 300 Ohm inputs. The 75 Ohm input utilizes a standard "F" fitting, while the 300 Ohm input features insulation-piercing screws. The VHF output is 75 Ohm coaxial with "F" connector attached, and UHF outputs are 300 Ohm, 16 gauge solid wire hooks.

QUANTUM® ACCESSORY MODULES

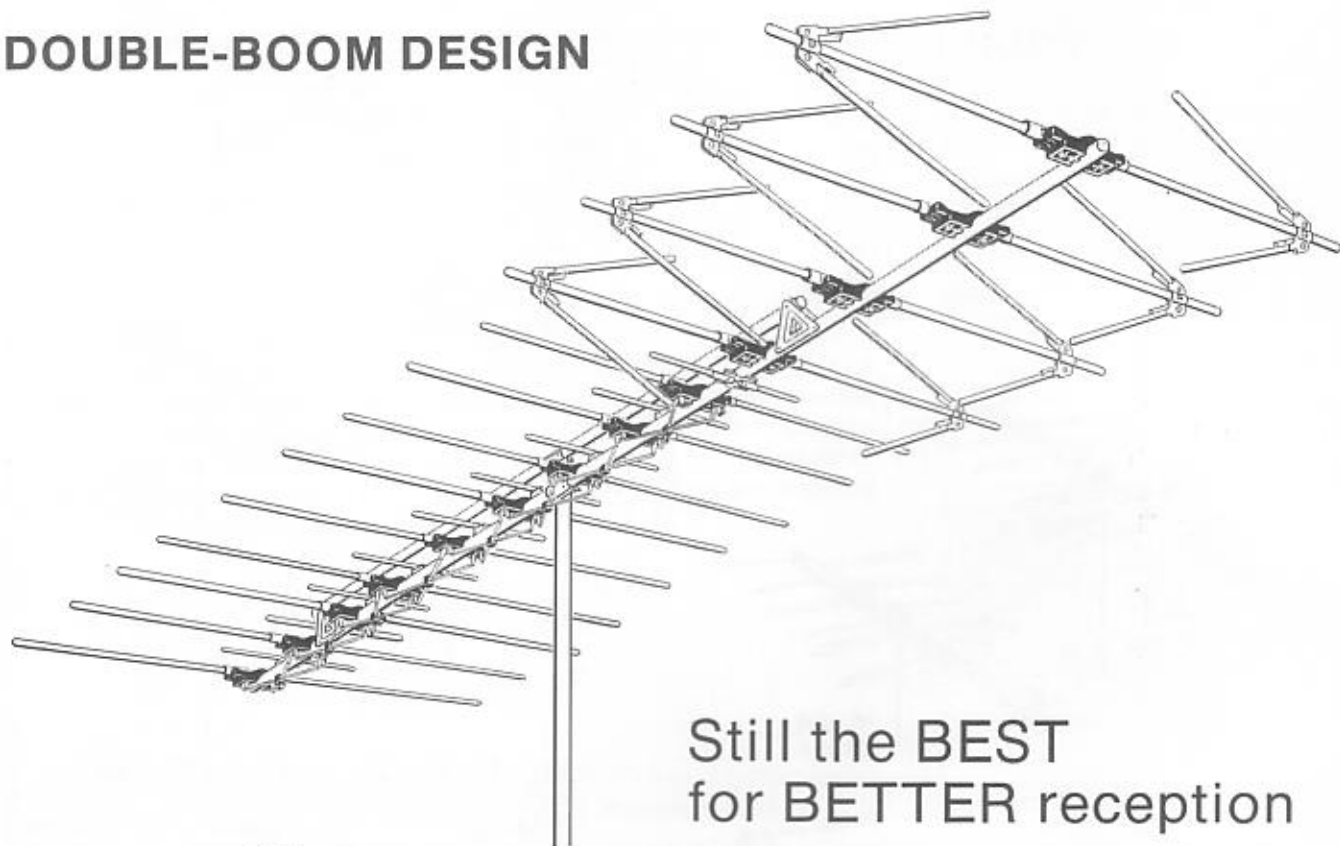
- 0089 Balun/Matching Transformer
- 0096C VHF/FM 75 Ohm, Pass UHF
- 0098C UHF, 75 Ohm, Pass VHF/FM
- 0100C UHF/VHF/FM, 75 Ohm, High Input

For even more gain and interference control, convenient built-in weatherproof housings on QUANTUM® antennas allow the addition of a QUANTUM® cartridge amplifier. See page 37 for specifications.

603-6687611

Channel Master® CROSSFIRE® VHF/FM ANTENNAS

DOUBLE-BOOM DESIGN



Still the BEST
for BETTER reception



Gold EPC Coating

1 Double boom truss construction on larger CROSSFIRE® keeps elements in line and prevents antenna sagging even under heavy ice loads. High-Strength Truss Boom Braces reinforce the double boom and prevent structural distortion.

2 Spun boom ends offer stability in high winds and prevent annoying wind whistle.

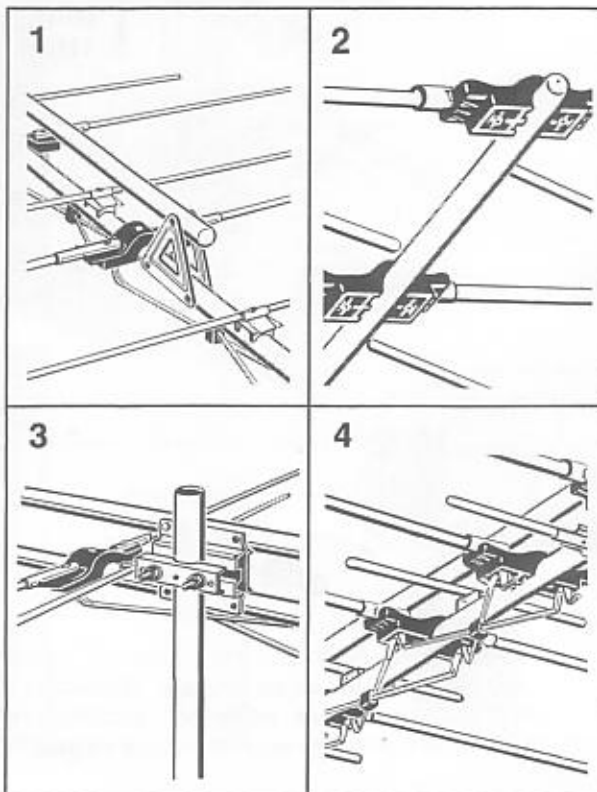
Reinforced element sleeves for added strength at greatest stress points on long elements.

Long lasting ABS Insulators for support even in hurricane strength winds.

3 Heavy-strength bulldog nest enables CROSSFIRE® to be quickly installed and firmly secured in place. This one-piece design eliminates "windmilling" and secures to the mast by tightening only one set of bolts.

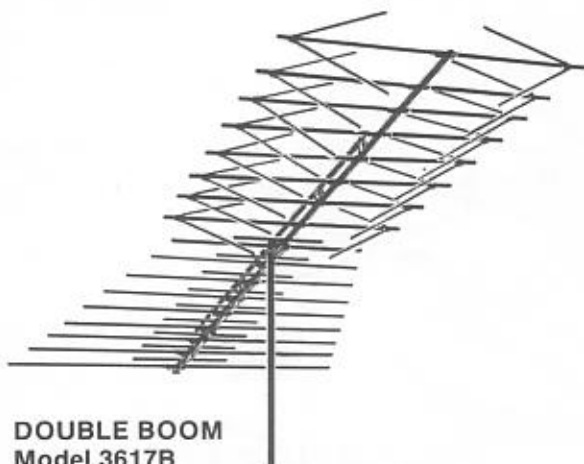
4 All aluminum phasing crossover harness for years of excellent reception.

Insulating spacers prevent shorting and keep all elements working in perfect harmony.

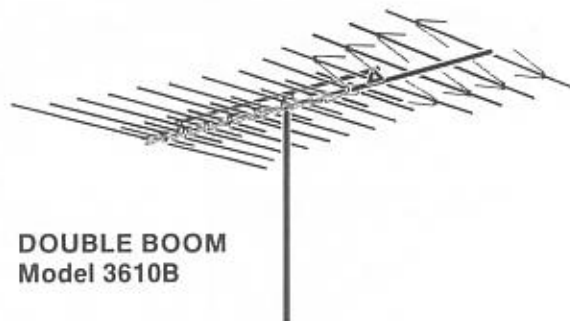


CROSSFIRE®

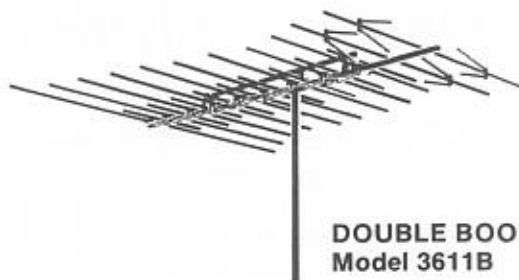
The world famous Color CROSSFIRE® series set the original standards for superior broadband performance. It uses the Channel Master® Proportional Energy Absorption principle that puts more elements to work for greater gain, directivity and flatter response across the entire band.



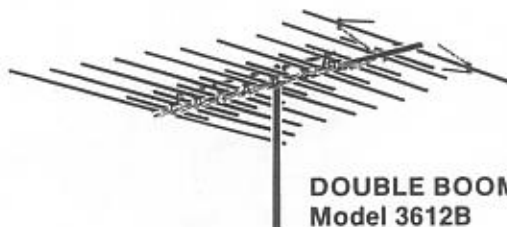
DOUBLE BOOM
Model 3617B



DOUBLE BOOM
Model 3610B



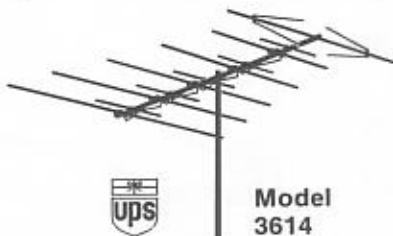
DOUBLE BOOM
Model 3611B



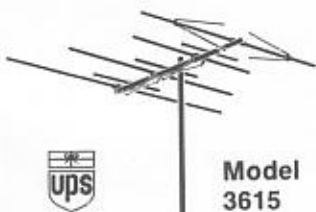
DOUBLE BOOM
Model 3612B



DOUBLE BOOM
Model 3613B



Model
3614



Model
3615



CROSSFIRE® VHF/FM

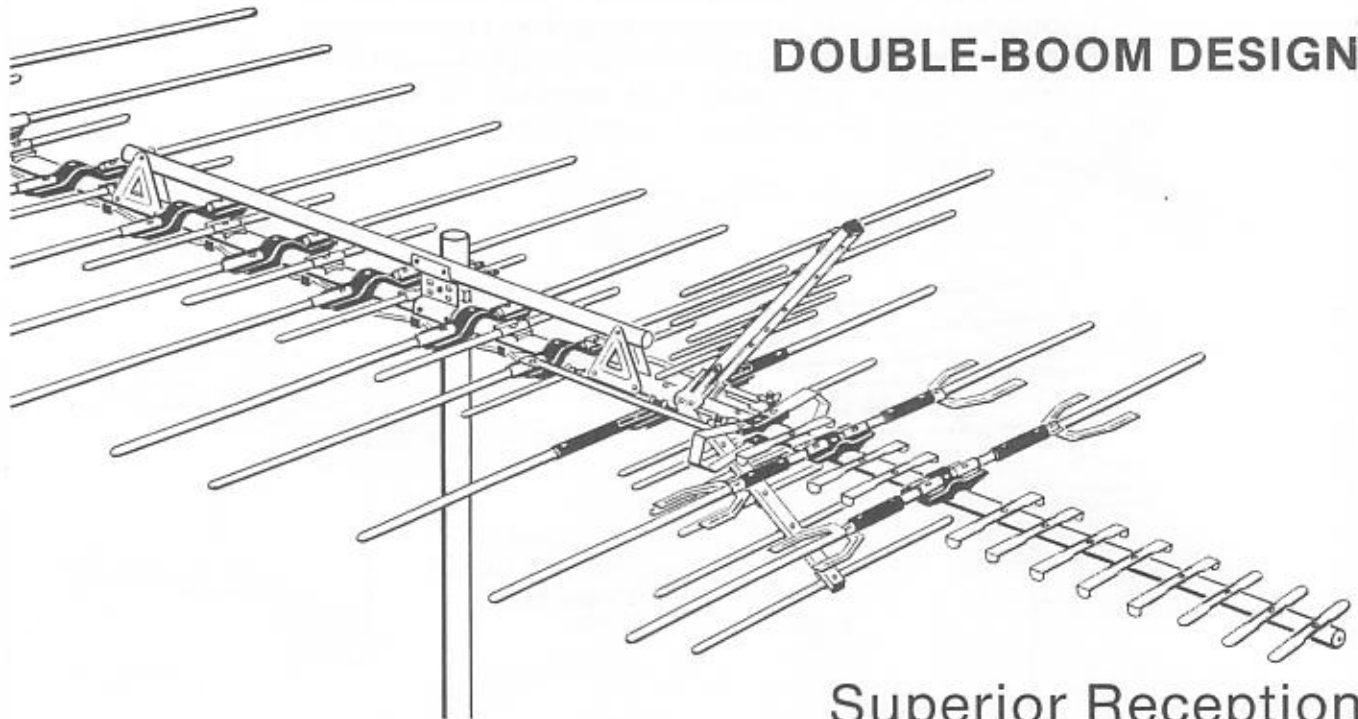
Model	Description	Length
3617B	Deepest Fringe SUPER Color CROSSFIRE®	194½"
3610B	Deep Fringe	147"
3611B	Fringe	122"
3612B	Near Fringe	111"
3613B	Far Suburban	87"
3614	Suburban	63"
3615	Far Metropolitan	39"

STACKING HARNESS

0055 For all VHF CROSSFIRE®

Channel Master® ULTRA-HI CROSSFIRE®

DOUBLE-BOOM DESIGN



Superior Reception
features and rugged
weather defying strength



Gold EPC Coating

- 1** **Double boom truss construction** on larger CROSSFIRE® keeps elements in line and prevents antenna sagging even under heavy ice loads. High-Strength Truss Boom Braces reinforce the double boom and prevent structural distortion.

Spun boom ends offer stability in high winds and prevent annoying wind whistle.

All aluminum phasing crossover harness for years of excellent reception.

- 2** **Drop wing directors, corner reflector and folded UHF dipoles** for extra UHF gain.

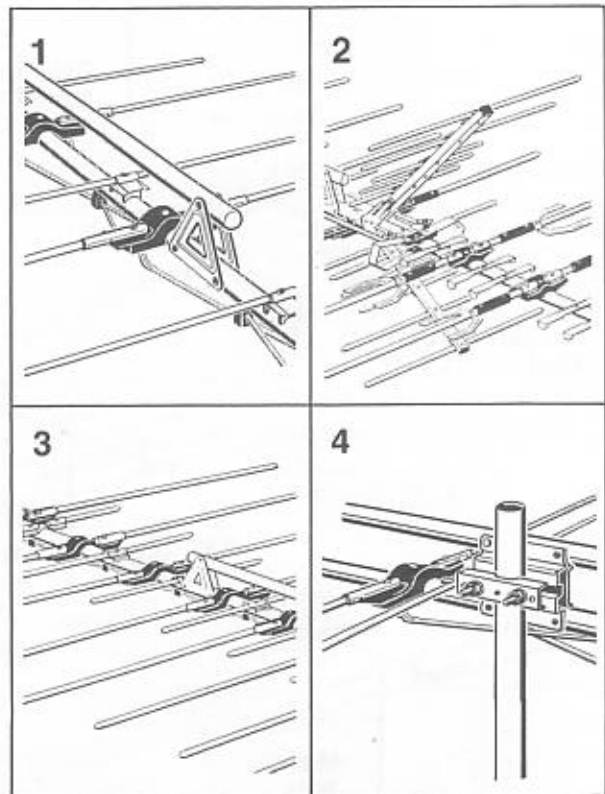
- 3** **Insulating spacers** prevent shorting and keep all elements working in perfect harmony.

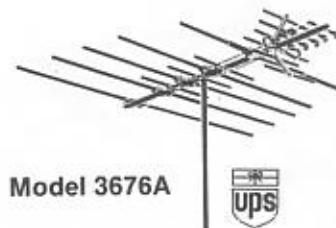
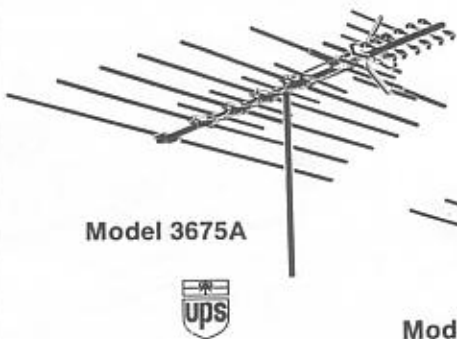
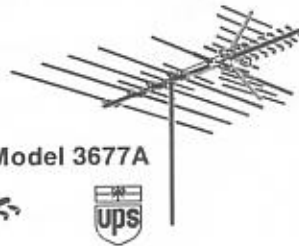
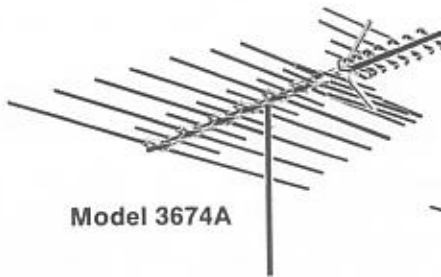
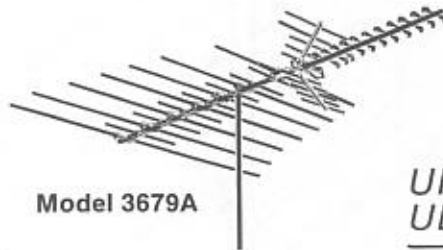
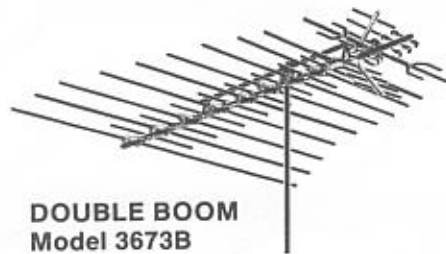
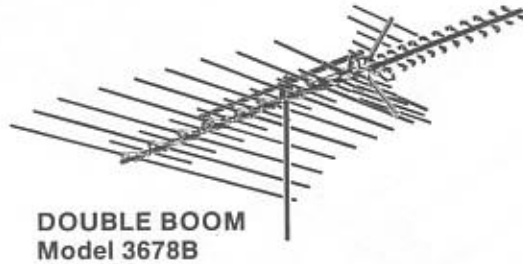
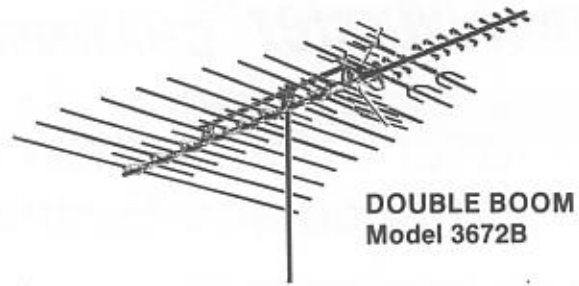
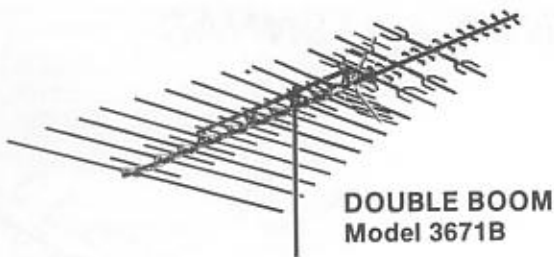
Reinforced element sleeves for added strength at greatest stress points on long elements.

Heavy-duty rear elements for greater strength.

- 4** **Heavy-strength bulldog nest** enables CROSSFIRE® to be quickly installed and firmly secured in place. This one-piece nest design eliminates "windmilling" and secures to the mast by tightening only one set of bolts.

Long lasting ABS Insulators for support even in hurricane strength winds.





UHF/VHF/FM
ULTRA-HI CROSSFIRE®

Model	Description	Length
3671B	Deepest Fringe UHF Deep Fringe VHF	173"
3672B	Deep Fringe UHF Fringe VHF	154"
3678B	Deep Fringe UHF Near Fringe VHF	151"
3673B	Fringe UHF Near Fringe VHF	124½"
3679A	Deep Fringe UHF Far Suburban VHF	122"
3674A	Fringe UHF Far Suburban VHF	109"
3677A	Fringe UHF Suburban VHF	97"
3675A	Near Fringe UHF Far Suburban VHF	96"
3676A	Near Fringe UHF Suburban VHF	77"

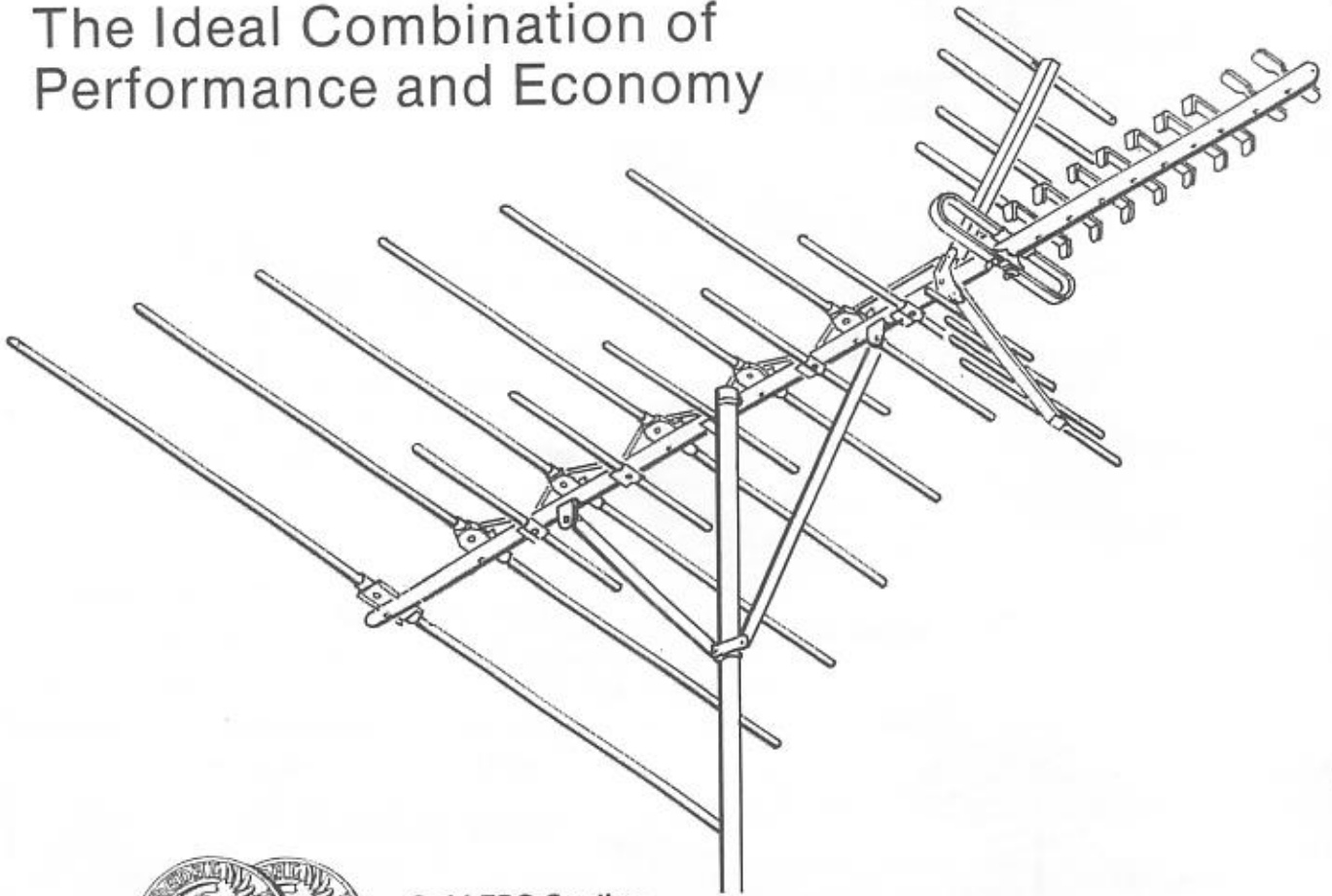


FREE Band Splitter included with all Ultra-HI CROSSFIRE® Models. The Model 7291 is a compact, lightweight, behind-the-set band separator that incorporates either 75 or 300 Ohm inputs. The 75 Ohm input utilizes a standard "F" type fitting, while the 300 Ohm input features insulation-piercing screws. The VHF output is 75 Ohm coaxial with "F" connector attached, and UHF outputs are 300 Ohm, 16 gauge solid wire hooks.

Channel Master[®] CHANNEL KING[®] ANTENNAS

CHANNEL KING[®] ANTENNAS

The Ideal Combination of Performance and Economy

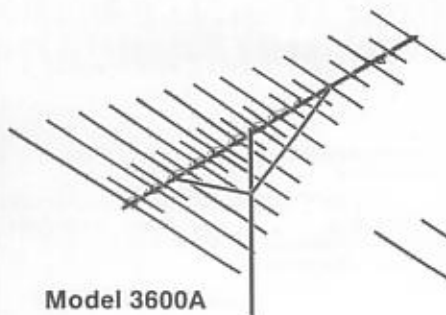


Gold EPC Coating

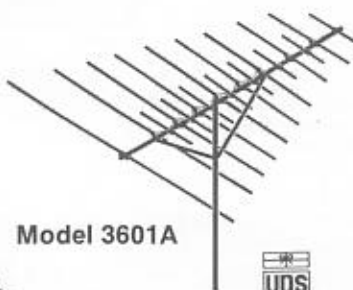
<p>1</p>	<p>2</p>	<p>3</p>	<p>4</p>	<p>5</p>
<p>6</p>	<p>7</p>	<p>8</p>	<p>Includes 75 Ohm band separator (isolates UHF and VHF Circuits)—on UHF/VHF/FM models only.</p> <p>Heavy walled booms, with 1" boom braces where needed on larger models.</p>	

VHF/FM CHANNEL KING®

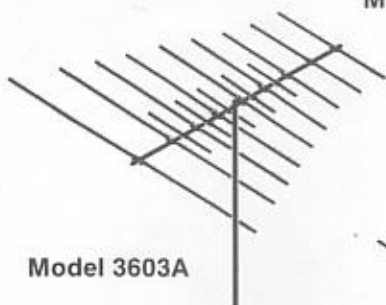
Model	Description	Length
3600A	Fringe	159½"
3601A	Near Fringe	128½"
3603A	Far Suburban	112"
3604A	Suburban	75"
3606A	Metropolitan	45"



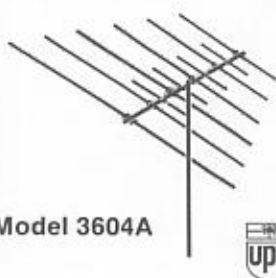
Model 3600A



Model 3601A



Model 3603A



Model 3604A

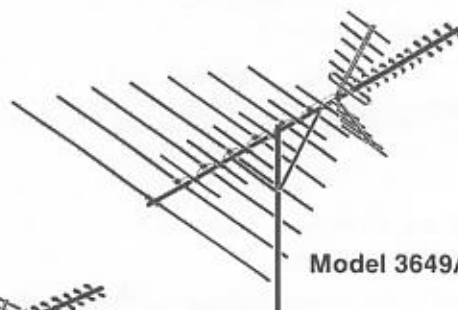


Model 3606A

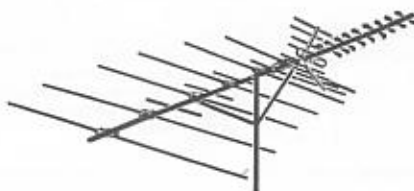


UHF/VHF/FM CHANNEL KING®

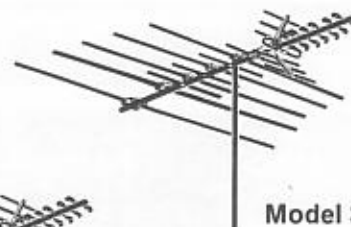
Model	Description	Length
3649A	Fringe	143"
3648A	Near Fringe	122"
3647A	Far Suburban	104"
3646A	Suburban	85"
3645A	Metropolitan (Far)	71"
3643A	Metropolitan	39"



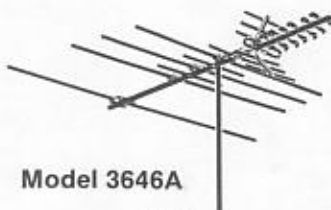
Model 3649A



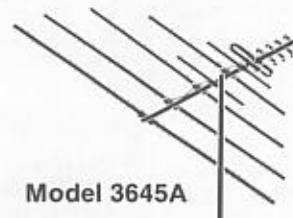
Model 3648A



Model 3647A



Model 3646A



Model 3645A



Model 3643A



- 1 Spun boom ends** are seldom found on economy antennas. They offer stability in high winds and prevent annoying wind whistle.
- 2 Reinforced element sleeves** add strength at greatest stress points on long elements.
- 3 All aluminum phasing crossover harness** for years of excellent reception.
- 4 Insulating spacers** prevent shorting and keep all elements working in perfect harmony.
- 5 Long lasting ABS insulators** for support even in hurricane force winds.
- 6 Corner reflector** adds additional gain on UHF channels.
- 7 Drop wing directors and folded dipole** for extra UHF gain.
- 8 Heavy duty mast locking clamp** protects against antenna turning in a heavy wind.

Channel Master®

DO-IT-YOURSELF ANTENNAS AND HARDWARE

The Carton makes the sale!

Consumers are looking for quality these days—especially “do-it-yourselfers” who are investing their own time and effort. Help them do it right, with Channel Master® Do-It-Yourself (D-I-Y) Antennas.

- Superior Construction and Performance
- Eye-catching Consumer Display Packaging
- Convenient Display Racks Save Time and Space
- Antenna Only—Means Lower Advertised Prices
- Creates Demand for Mounts and Accessories
- Easy Assembly—Detailed Instructions
- UPS Shippable—Fits in Any Car
- Full Line of Related Antenna Hardware

Quick reference copy explains product application.

Bold, color-coding quickly identifies each product category.

Gold symbol readily identifies gold plated products.

Easy-to-follow graphic diagram clearly illustrates how product is used.

Prominent product name helps consumer quickly identify the “right” accessory.

Graphic installation and application diagram illustrates how product is used.

UPC Code for efficient in-store inventory.

Heavy card stock eliminates tearing, keeps blister hanging securely.

Product model number on card front allows for quick restocking and reordering.

User friendly copy and step-by-step instructions make D-I-Y product installation quick and easy. Limits involvement of floor personnel.

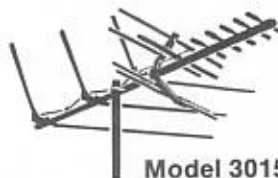
Clear blister packaging allows consumer to “see” the product. Keeps product saleable.

NOTE: For Audio/Video and Phone Accessories, see ASE-MATV Catalog.

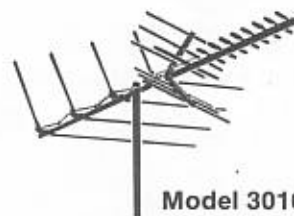




**Model 3014
METROPOLITAN**



**Model 3015
FAR METROPOLITAN**



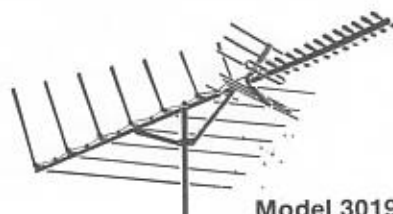
**Model 3016
SUBURBAN**



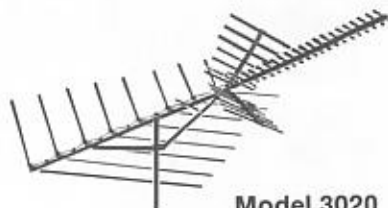
**Model 3017
FAR SUBURBAN**



**Model 3018
NEAR FRINGE**



**Model 3019
FRINGE**



**Model 3020
DEEP FRINGE**



**ALL MODELS
ARE UPS
SHIPABLE.**

MODEL	LENGTH	ELEMENTS	RANGE DESIGNATION	(IN MILES)		CARTON SIZE
				UHF	VHF/FM	
3014	52½"	14	Metropolitan	15	25	53½ x 7 x 5½
3015	52½"	18	Far Metropolitan	25	30	53½ x 7 x 5½
3016	66"	24	Suburban	30	45	68¼ x 7 x 5½
3017*	94¼"	27	Far Suburban	35	50	68¼ x 7 x 7
3018*	113¼"	30	Near Fringe	35	60	68¼ x 7 x 7
3019*	133¼"	37	Fringe	45	80	68¼ x 7 x 7
3020*	152¾"	50	Deep Fringe	60	100	68¼ x 7 x 7

***HAS SPLIT BOOM**



Model 3094

**75 Ohm Hardware Kit
4-Way Mounting
Roof, Chimney, Wall, Attic**

For complete 75 Ohm antenna installations. Includes: 2 mounting brackets, 2 U-bolts, 3 eye screws, 4 lag screws, 3 pitch pads, 50 ft. guy wire, 50 ft. coaxial with F connectors and weather boot, 1-75 Ohm U/V separator, 1 balun, 2-4½" masting, 3 screw standouts, 2 mast standouts, 1 guy ring and clamp, 2-12 ft. chimney straps.

Channel Master® DO-IT-YOURSELF HARDWARE

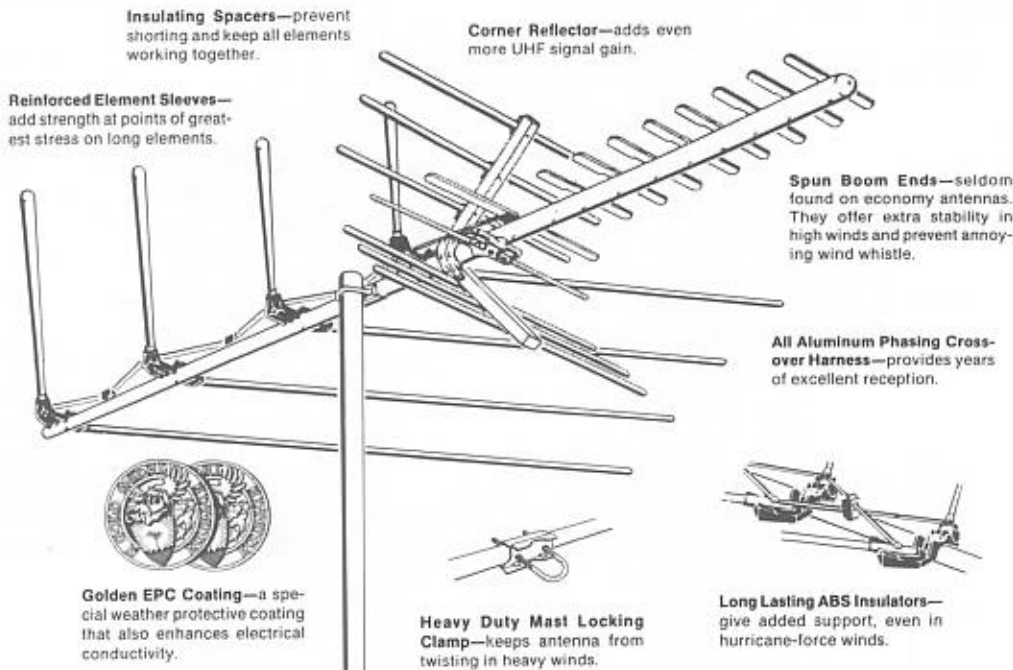
D-I-Y ANTENNAS AND HARDWARE

<p>A complete selection of blister packed installation hardware accessories, specially chosen mounts and kits.</p>	 <p>Model 3069 Strap-On Standouts</p>	 <p>Model 3070 Eye Bolts</p>	 <p>Model 3071 3½" Standouts</p>
 <p>Model 3072 Mast Standouts</p>	 <p>Model 3073 Lead Wire Clips</p>	 <p>Model 3074 Antenna Discharge Unit</p>	 <p>Model 3075 Outdoor Matching Transformer</p>
 <p>Model 3077 Guy Ring and Clamp</p>	 <p>Model 3078 Roof Mount</p>	 <p>Model 3079 4" Wall Mount</p>	 <p>Model 3080 Chimney Mount</p>
 <p>Model 3081 U-Bolt Assembly</p>	 <p>Model 3083 Chimney Mount</p>	 <p>Model 3084 Guy Wire</p>	 <p>Model 3085 Aluminum Ground Wire</p>
 <p>Model 3086 Cable Feed Thru Bushings</p>	 <p>Model 3087 Cable Nail Clips</p>	 <p>Model 3088 8" Wall Mount</p>	 <p>Model 3090 10 Foot Mast</p>
 <p>Model 3091 5 Foot Mast</p>	 <p>Model 3092 3' Gold Tripod</p>	 <p>Model 3095 Rotator Installation Kit</p>	 <p>Model 3096 Ground Mount</p>
 <p>Model 3097 Alligator Clips</p>	 <p>Model 3098 300 Ohm Flat Hook-Up Wire</p>	 <p>Model 3099 Antenna Hook-Up Kit</p>	 <p>Model 3100 Add-A-Set Kit</p>

Channel Master® SUPER-VEE TELEVISION ANTENNA

SUPER-VEE ANTENNA
COLORAY® ANTENNA

Model 5646



Insulating Spacers—prevent shorting and keep all elements working together.

Corner Reflector—adds even more UHF signal gain.

Reinforced Element Sleeves—add strength at points of greatest stress on long elements.

Spun Boom Ends—seldom found on economy antennas. They offer extra stability in high winds and prevent annoying wind whistle.

All Aluminum Phasing Cross-over Harness—provides years of excellent reception.



Golden EPC Coating—a special weather protective coating that also enhances electrical conductivity.

Heavy Duty Mast Locking Clamp—keeps antenna from twisting in heavy winds.

Long Lasting ABS Insulators—give added support, even in hurricane-force winds.

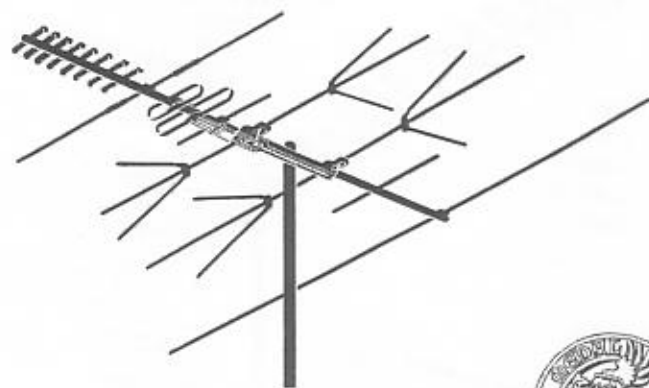


A superior, swept element color TV antenna that meets today's viewing needs for color and black and white.

- UHF/VHF/FM Stereo
- Suburban Range
- UHF/VHF Band Splitter Included
- Snap-Open Element Construction
- Easy-to-Follow Instruction Sheet
- 66" Boom Length

COLORAY®

Where ghosting is a problem, the COLORAY® solves it!



Model 3619
UHF/VHF/FM COLORAY®
CROSSFIRE®-82
For Suburban Areas
Includes U/V Splitter

Graphic Proof of the COLORAY®
Amazing Ghost Killing Power!

Gold EPC Coating

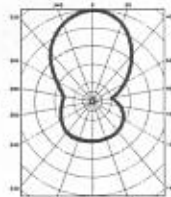


The COLORAY® unique Power Equalization Circuit employs a transposed feed harness and dual torrodial ferrite core that cancel out rear pickup and increase front end performance for outstanding front-to-back ratios!



COLORAY®

Front-to-back: 10.0 to 1
Front-to-side: 35.0 to 1



COMPETITIVE

Front-to-back: 2.2 to 1
Front-to-side: 4 to 1

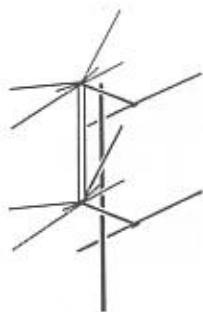
Ch. 4

Channel Master® VHF CONICAL YAGIS

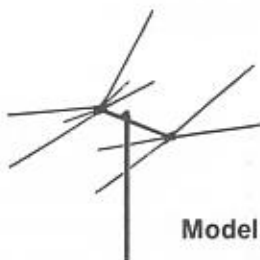
VHF CONICAL YAGIS
UHF DIAMOND QUANTUM®

Performance with Economy!

Model	Description
3082	Stacked Conical Yagi
3428	Stacked 6 Element with High Band Stubs. 1 per box.
3450	8 Element Double X with High Band Stubs. 6 per box.



Model 3428



Model 3450

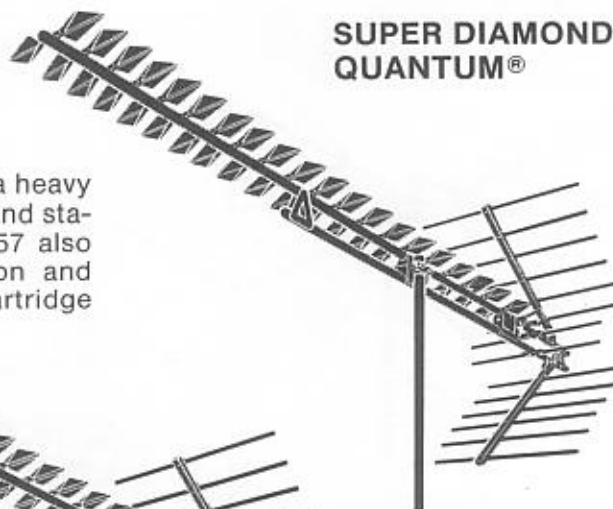
Model 3082 CHALLENGER
Outstanding buy in a high gain conical.

Gold EPC Coating

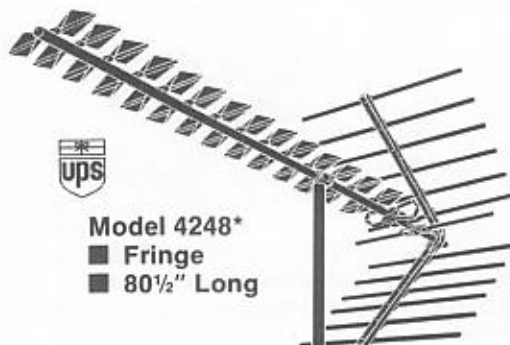
UHF DIAMOND QUANTUM®

Best Performing UHF Yagi Series on the Market Today!

All Diamond QUANTUM® antennas feature extra heavy duty elements and mounting nests for strength and stability, and a protective EPC coating. Model 4257 also features extra heavy double boom construction and weatherproof housing for QUANTUM® UHF Cartridge amplifier models 0097C and 0098C



Model 4247*
■ Suburban
■ 45½" Long



Model 4248*
■ Fringe
■ 80½" Long

*Will not accept cartridge amplifier.

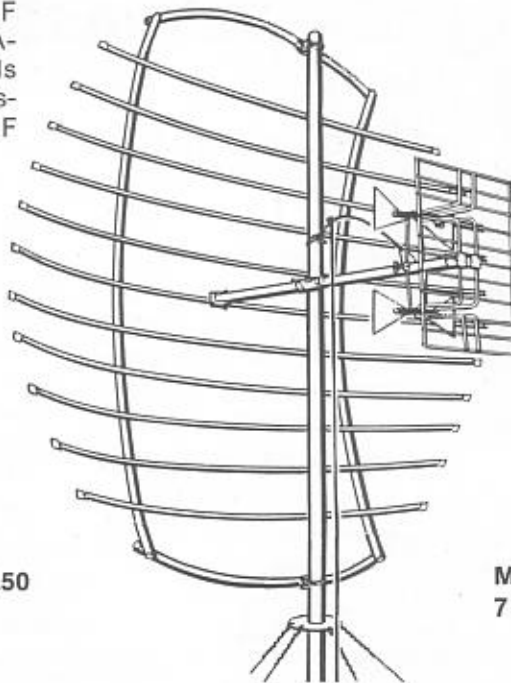
Model 4257
■ Deepest Fringe
■ Highest Gain Yagi-Type UHF Antenna Available
■ 113½" Long



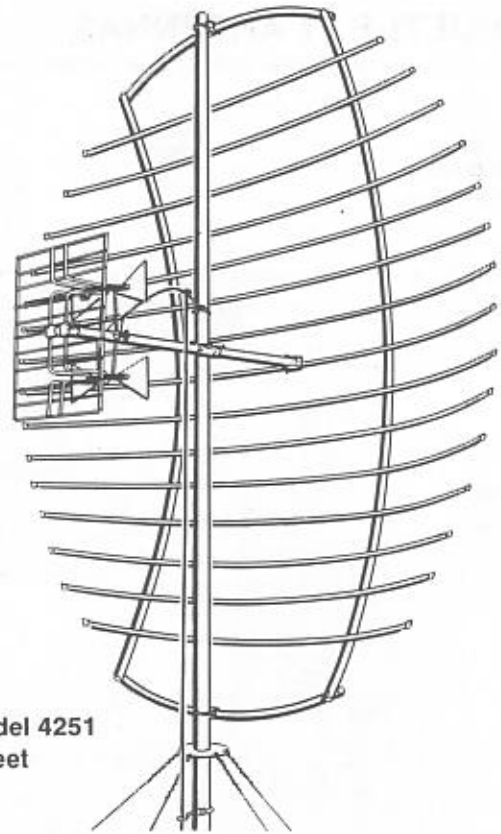
Channel Master® UHF ANTENNAS

The most powerful UHF antennas on the market! For crisp, clear color and black and white reception on hard to receive UHF channels, the UHF PARA-SCOPE® series stands unchallenged as the industry's most powerful UHF antenna series!

PARA-SCOPE® SERIES Channels 14-83



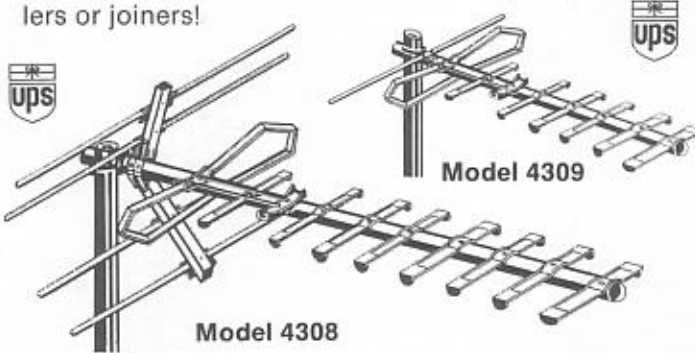
Model 4250
6 Feet



Model 4251
7 Feet

UHF MAGNADYNE FEED-THRU ANTENNAS

Combine easily with VHF antennas on the same transmission line—without using couplers or joiners!

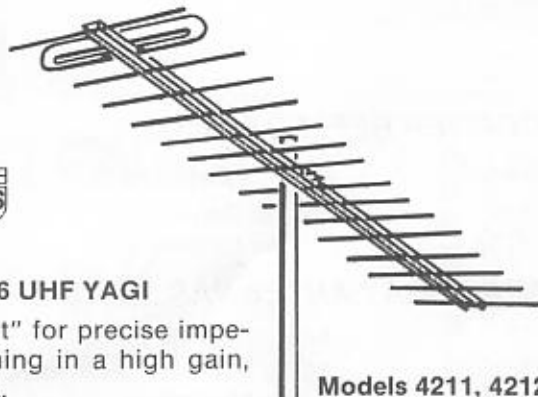


UHF MAGNADYNE SERIES

Model	Description	Length
4308	Suburban Areas	43"
4309	Metropolitan Areas	36"

CONTURA 16 UHF YAGI

Model	Description	Length
4211	Channels 14-23	71"
4212	Channels 18-32	71"



CONTURA 16 UHF YAGI

"Contour-Cut" for precise impedance matching in a high gain, UHF antenna.

Models 4211, 4212

PARA-SCOPE® SERIES CHANNELS 14-83

Model	Description
4250	72" Screen, Deep Fringe
4251	84" Screen, Deepest Fringe

Channel Master[®] UHF ANTENNAS

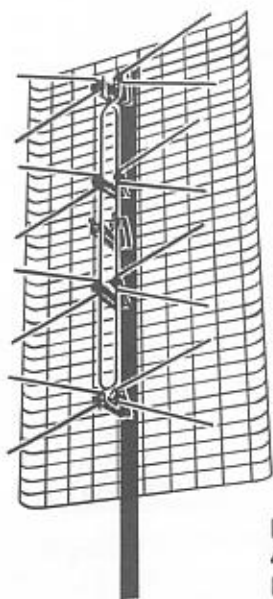
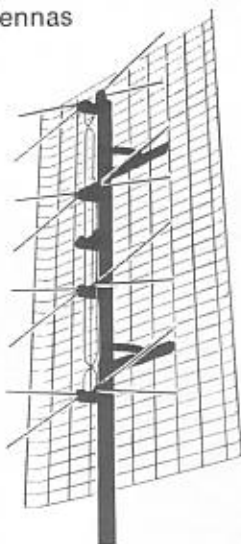
MULTI-BAY ANTENNAS

maximum gain bow and screen antennas

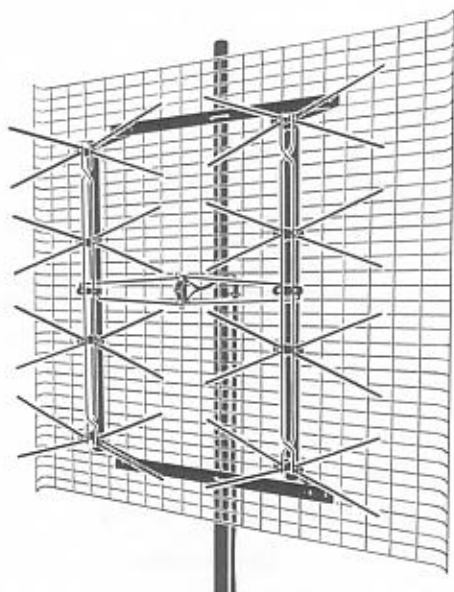
Model 4221A
Blue Boy



Mast or Jam fit. Heavy duty construction. Gold dipoles and mast. Blue Screen.



Model 4225A
4-Bay Bow
Mast or Jam Fit

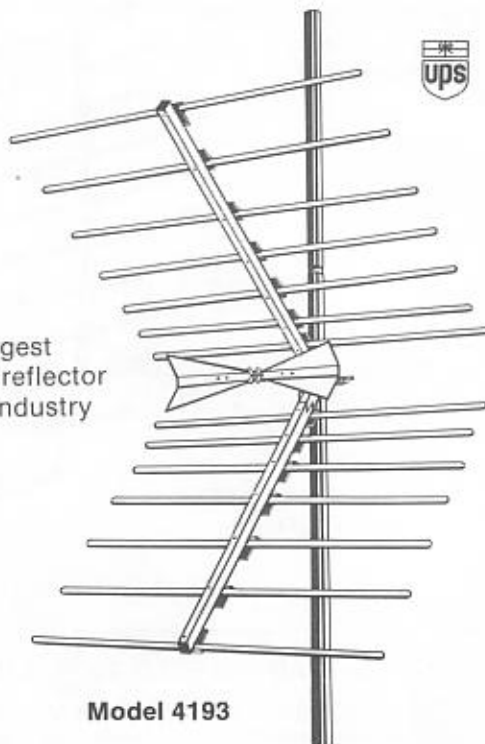


Model 4228A
8-Bay Bow
Heavy duty construction

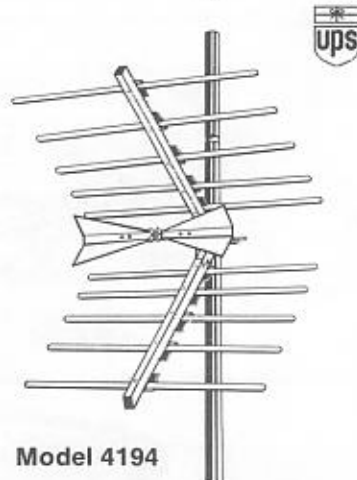
CORNER REFLECTORS for increased UHF gain!

Now—with preassembled snap-lock element construction for faster, easier installation! Extra rugged boom, for all-weather holding power.

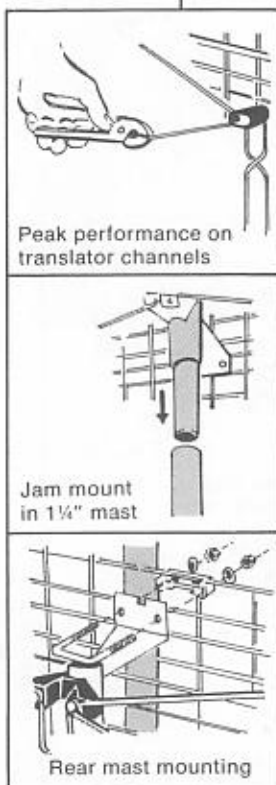
The largest corner reflector in the industry



Model 4193



Model 4194



Peak performance on translator channels

Jam mount in 1 1/4" mast

Rear mast mounting

CORNER REFLECTORS

Model	Description
4193	Golden Deluxe
4194	Golden Challenger

MULTI-BAY ANTENNAS

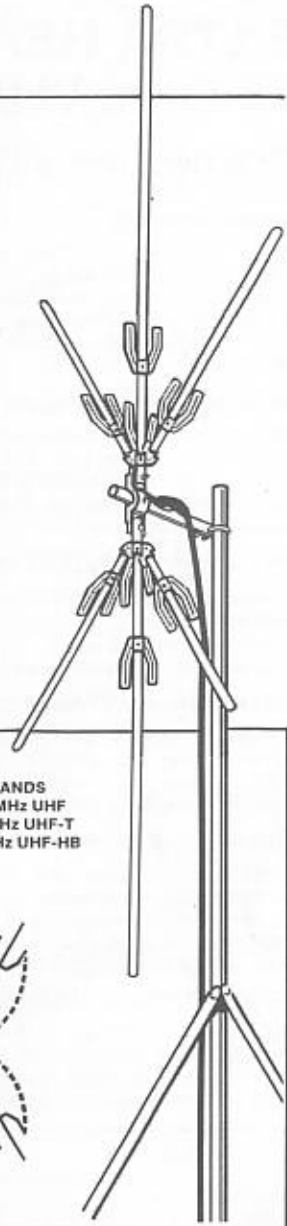
4221A	4-Bay Blue Boy
4225A	4-Bay Maverick Multi-Bow
4228A	8-Bay Multi-Bow

MONITENNA

Preassembled 5-Band Scanner Antenna

INCREASED FREQUENCY COVERAGE
800-912 MHz UHF-HB

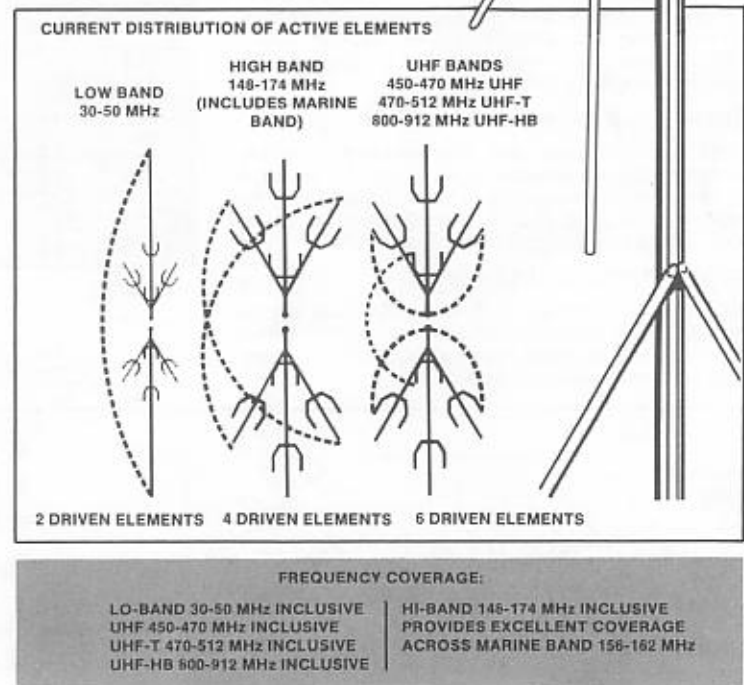
The Monitenna 5-Band Scanner Antenna is quick and easy to install because it comes factory preassembled. Totally weather-proofed for high performance reliability, the Model 5094A does not require tuning and features separate receiving elements for low and high VHF and 3 UHF bands, allowing you to immediately tap into all the action within a 100 miles radius! Pick up Fire, Police, Emergency, Marine and National Weather Broadcasts!



FEATURES:

- Preassembled Antenna made of high strength aircraft aluminum
- Separate receiving elements for low & high VHF and 3 UHF bands
- 100 Mile Radius Scanner Range
- No tuning required
- Straight dipole construction...No coils to detune or burn out
- Gold EPC Weather Protective Coating
- Preassembled Motorola Plug fits most scanners
- Completely weatherproof, 50' cable assembly

MODEL 5094A



Model 5095A

MONITENNA KIT

Everything You Need
For A Quick Professional
Monitor Antenna Installation

- 1 Preassembled 5-Band Scanner Antenna
- 5-Ft. Tri-Mast Mount
- 2½-Ft. Extension
- 2 Standouts
- 50-Ft. RG-59U Coaxial Cable
- 4-Double Headed Nails
- 4 Sealing Washers

Channel Master® SPECIAL APPLICATION ANTENNAS

MATV YAGIS

EXTRA HEAVY DUTY PROFESSIONAL MATV 75 Ohm VHF YAGIS

The best overall specifications in the industry.

MAXIMIZED GAIN

These antennas have been specifically developed for MATV professional use. Their performance has been carefully engineered and laboratory-tested to insure sharp directivity and high gain, plus excellent front-to-back ratios for good latent image rejection.

75 OHM IMPEDANCE MATCH

Direct 75 Ohm hook-up is provided by a built-in, hermetically sealed coax connector, in conjunction with a capacitively-tuned gamma match system for optimum signal transfer. Tuning rod connection is via a #10-32 threaded stud.

PRE-ASSEMBLED ELEMENTS

Fold-out construction makes installations quicker, easier, and less confusing. Elements are pre-assembled on the boom with stainless steel rivets and secured by stainless steel bolts.

SEAMLESS, HEAVY-WALL CONSTRUCTION

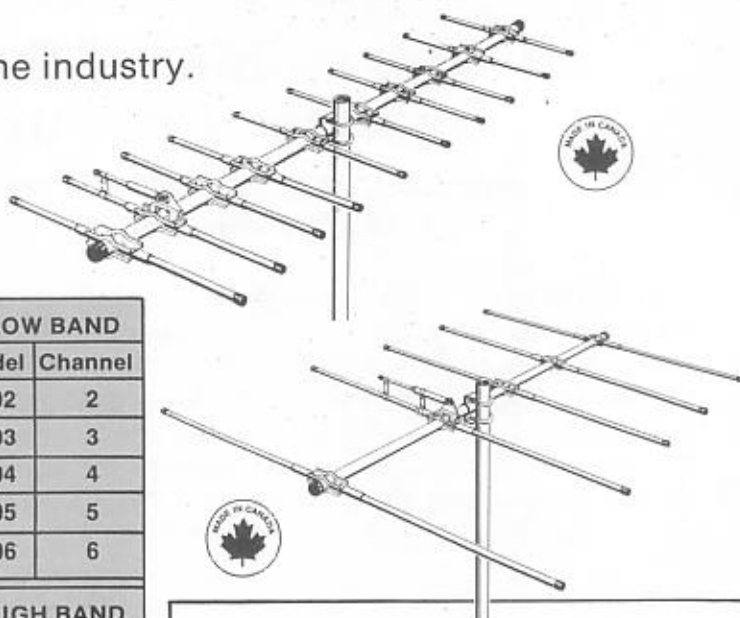
Crossarms and elements made of heavy-wall extruded aluminum plus double element support and a heavy gauge steel nest assembly all add up to a rugged long-life installation.

COMPLETE WEATHER PROTECTION

Both the crossarms and the elements of these antennas feature weather-tight, protective endcaps and are EPC alodine-coated for extra surface protection. The mast nest is zinc plated then coated with a gold irridite finish.

STANDARDIZED CABLE DRESS

As an extra professional feature, Channel Master MATV Yagis include instructions that describe optimum cable dress—your assurance of consistent performance in all installations.

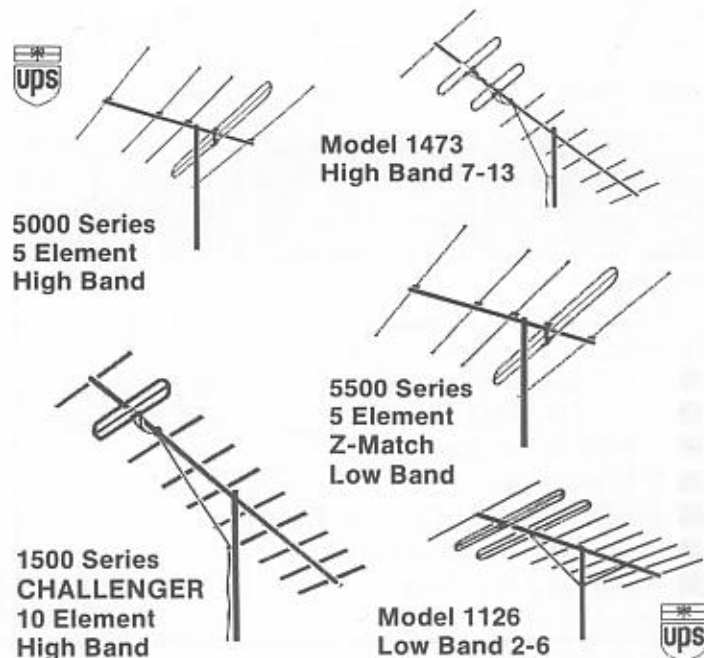


LOW BAND	
Model	Channel
5602	2
5603	3
5604	4
5605	5
5606	6
HIGH BAND	
1087	7
1088	8
1089	9
1090	10
1091	11
1092	12
1093	13



Use Coupler Model 7145 For Stacking

SINGLE CHANNEL Z-MATCH YAGIS



- Performance, Durability, Economy!
- Tailor Antenna Installations to Specific Channels
- Use Singly or Stacked
- Impedance Bars become Stacking Rods on all Models
- WIDE SPACED
- Gold EPC Coating

5 ELEMENT LOW BAND 5520 Channel 2 5530 Channel 3 5540 Channel 4* 5550 Channel 5* 5560 Channel 6*	CHALLENGER 10 ELEMENT HIGH BAND 1507 Channel 7 1508 Channel 8 1509 Channel 9 1510 Channel 10* 1511 Channel 11* 1512 Channel 12* 1513 Channel 13*
5 ELEMENT HIGH BAND 5070 Channel 7 5080 Channel 8 5090 Channel 9 5100 Channel 10 5110 Channel 11 5120 Channel 12 5130 Channel 13	GOLD MEDAL HIGH BAND 1473 High Band 7-13 GOLD MEDAL Z-MATCH 1126 Low Band 2-6

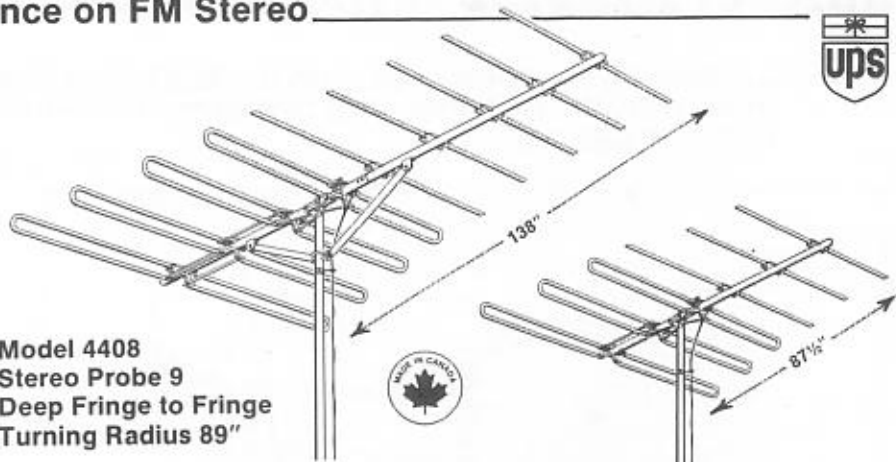
FM ANTENNAS AND ACCESSORIES

For Outstanding Performance on FM Stereo

Element for element, Stereo Probe™ antennas provide the highest gain among FM broadband antennas, along with narrow beamwidth and outstanding front-to-back ratios.

The folded elements give the Stereo Probe™ greater strength, yet maintain a compact, lightweight design. They provide superior gain while rejecting multipath interference for the finest reception.

"The highest gain was exhibited by the Channel Master® 4408 (12.5 dB)...those seeking a narrow beamwidth (highly directional) antenna may also want to choose the Channel Master."
— Audio Magazine



Model 4408
Stereo Probe 9
Deep Fringe to Fringe
Turning Radius 89"



Model 4403
Metropolitan
FM Turnstile

Model 4409
Stereo Probe 6
Fringe to Near Fringe
Turning Radius 61"

Model 0055 Stacking Rods
For models 4408 and 4409

AREA SPECIAL ANTENNAS

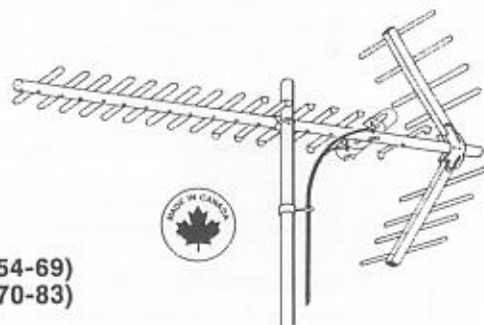


Gold EPC Coating.

TRANSLATOR UHF ANTENNA



Model 4259 (Ch. 54-69)
Model 4260A (Ch. 70-83)



As the leader in TV and FM reception equipment, Channel Master recognizes that certain areas may require custom designing to obtain an antenna that performs well on all available channels, regardless of how many exist or how many different directions are involved.

We currently manufacture a large number of these "area special" antennas. To obtain more information, discuss your particular needs with your Channel Master distributor.

For more information on these antennas, contact:

CROWN CONTROLS MFG. LTD.
33 Gaylord Road
St. Thomas, Ontario Canada N5P 3R9
Phone: (519) 631-0320
FAX: (519) 631-1916

Yagis, FM, MATV Yagis, Translator UHF and Area Special Antennas are manufactured at the Channel Master Canadian Facility.

Channel Master® INDOOR ANTENNAS UHF/VHF/FM

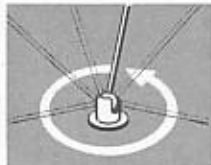
...SUPERIOR PERFORMANCE, CONTEMPORARY STYLING AND COMPETITIVE PRICING IN AN INDOOR ANTENNA LINE DESIGNED TO CAPTURE THE BEST RECEPTION ON UHF, VHF AND FM.



Model 4102 Colomax II

Superior performance features:

- 4-section, full 45", 360° rotating VHF dipoles
- Rotating, tuneable double UHF Loops
- Deluxe 12-position VHF tuning control
- Deluxe UHF tuning control



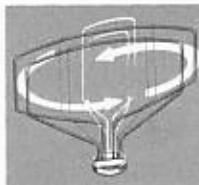
Full 360° Rotating VHF/FM Elements, 4-section telescoping elements on all models. Stepped-up model features 360° element rotation without turning the antenna base.



Model 4103 Colomax III

Reception-improving features:

- 4-section, full 45", 360° rotating VHF dipoles
- Pretuned double UHF loops
- 12-position VHF tuning control



Rotating Tuned UHF Loops on Deluxe Models 180° turning range easily achieves optimum loop position. No need to turn antenna base or readjust VHF elements.



Model 4104 Colomax IV

Lower priced for the economy-minded

- 4-section, 38" telescoping dipoles
- Pretuned UHF loop
- 6-position VHF tuning control



Advanced Signal Tuning Controls

6 or 12-position signal tuning controls precisely match the antenna to the TV set for superior color and maximum reduction of "ghosts" and interference.

- Mar-proof decorator styling on all models
- UHF and VHF, Color or Black and White TV
- FM, FM stereo
- Separate UHF and VHF/FM leads on all

10 DAY, MONEY BACK GUARANTEE



Model 4149 ALLEGRO UHF ANTENNA

A style leader in bow-tie design for top UHF performance. Gold screen.



Model 3803 HIGHLIGHT VHF/FM

Economy performer. 3-section aluminum elements, brown plastic base with felt pad.

Channel Master® GOLDEN COLOROTOR®

All-around World Champion
in quality, performance and dependability!*

Rotator Features that Focus on Strength

Model 9510A

- Structurally integrated mounting studs provide maximum support for mast and tower mounting
- Reinforced mast support adds extra strength where stress is the highest
- Shortened housing improves support of the upper bearing ring and allows it to fit inside tower section
- One-piece cast aluminum housing
- EPC corrosion resistant coating
- Heavy-duty rotator motor
- Built-in steel thrust bearings
- Precision-cut, heavy-duty gears
- Wind-tested brake pads
- Captive screw closure

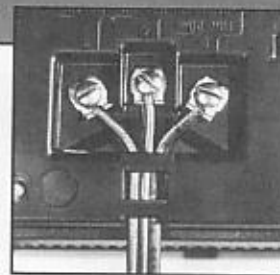
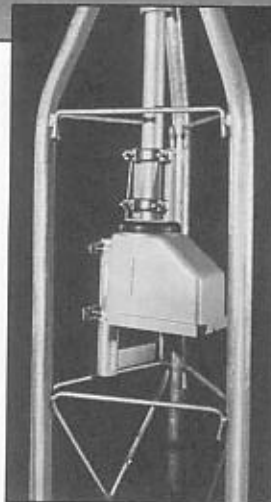
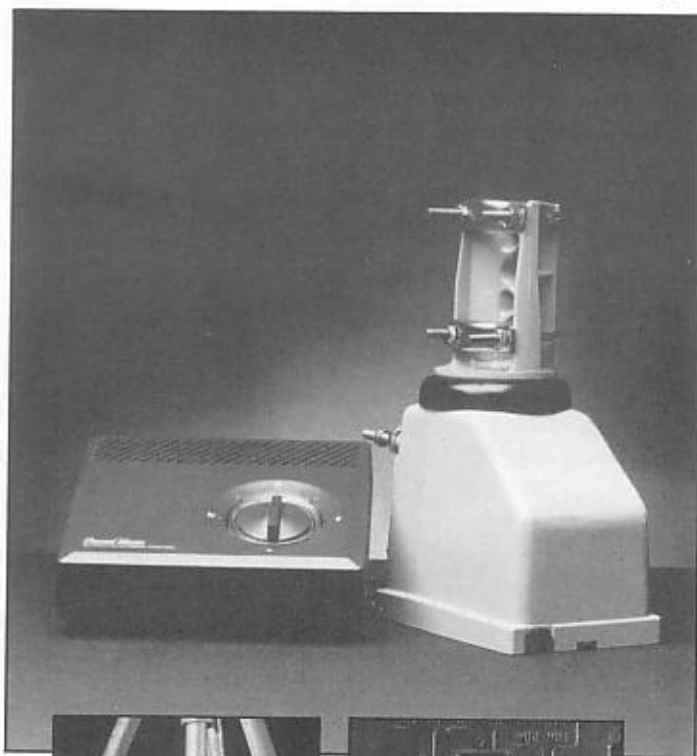
*COLOROTOR® is the world's largest selling rotator.

Simple, Quiet and Reliable Operation for Pinpoint Reception Control

- **Economical Design**
Sleek and compact with recessed knob. Features a low profile design that blends into any decor
- **Quiet Movement**
Overall noise levels are reduced with polyurethane insulation and a plastic fast gear. A single compression spring provides continuous, smooth action
- **Pinpoint Positioning**
Synchronized motors are accurate to within one degree for crisp, clear reception
- **Cable Strain Relief**
Protects terminals from tugs, twists and pulls
- **Short Proof/Shock Proof**
Barrier strip terminal board eliminates shorts due to strand contact between terminals
- **3-Conductor Wire**
Easier, faster, less costly installation

SPECIFICATIONS

Rotation	1 RPM
Gear Ratio	3200 to 1
Max. Mastng	2"
UL Listed	



Single-Length Conductors

No need to go to great lengths to match conductors to the terminal board.

AUTOMATIC CONTROL UNITS Model 9510A

115 volt 60 cycle AC, Rotor and Control Unit

Model 9527A

115 volt 60 cycle AC, Control Unit Only

Channel Master® GOLDEN COLOROTOR®

ROTATORS

HEAVY DUTY ROTATOR MODEL 9515

- **Heavy-Duty Thrust Bearings**
Easily handle loads up to 250 lbs
- **Double Thickness Gears**
In all 3 gears for more shear strength
- **Storm-Windload Braking System**
To prevent drivetrain damage in winds up to 70 m.p.h.
- **Bracketed Gear Studs**
Keeps centers engaged under strain
- **Weather-Protected Terminal Board**
With snap lock cover for easy installation
- **Strong Motor Housing**
Withstands 8,400 lbs. in vertical force
- **UL Listed**

90 DAY INSTANT REPLACEMENT WARRANTY

If this unit proves defective within 90 days of purchase, Channel Master will replace it with a new one, free of charge. This is a limited warranty (labor not included).

Control Console

- **Uses synchronized motors for on-target, pin-point positioning.**
- **High quality electronic components.**
- **Comes with strip guide, strain relief, terminal barriers, and base pads to protect furniture.**

Model 9515
115 volt 60 cycle
AC, Rotor and
Control Unit



General Rotator Specifications

- **Rotation Speed: 1 RPM**
- **Gear Ratio: 3200:1**
- **Handles stationary and rotating masts from 1" to 2" OD**
- **Includes preassembled mounting hardware**
- **UL Listed**

Semi-Automatic MODEL 9513



**115 volt 60 cycle AC,
Rotor and Control Unit**

This is the only semi-automatic rotor control in the industry with two synchronized motors for exact aiming. Features simple two-button control: right button for clockwise rotation—left button for counterclockwise rotation. Antenna stops instantly when button is released.

Top Quality Rotor Accessories



Model 9525



Model 9523

Model 9523 Rotor Alignment Bearing

Use with models 9500, 9510 and 9513. Adds protection against severe weather by stabilizing large TV antenna arrays. Adds support to the entire installation and helps increase the life of the rotator.

Model 9525 Ball Bearing Guy Ring

Excellent for rotor installations where longer-than-average masting is required. Stabilizes mast and helps eliminate swaying.



Rotor Wire

The ideal wire for all types of rotor installations. Available either flat or round, with 3 or 4 conductors. For more information, see Wire Section Page 29.

Channel Master[®] TRANSMISSION LINE

- Lowest Loss Line Available
- Highest Quality Materials
- Safeguards Signal Quality all the Way Down the Line



75 Ohm Coaxial Cable

RG-6/U FOAM SUPER COLOR DUCT 75 OHM DIRECT BURIAL

9549-500 Spool' ■ 100% Shielded ■ 13 Ga. Pure
9549-1000 Copper Center Conductor ■ 47%
Aluminum Braid ■ Foil Shielding
Bonded on Foam Dielectric
■ Black Polyethylene Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	1.7	1.9	2.8	3.0	4.8	5.8	6.4
	WET	1.7	1.9	2.8	3.0	4.8	5.8	6.4	6.9

RG-6/U FOAM SUPER COLOR DUCT 75 OHM

9539-500 Spool ■ 100% Shielded ■ 18 Ga. Pure
9539-1000 Copper Center Conductor ■ 47%
Aluminum Braid ■ Black PVC Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	1.7	1.9	2.8	3.0	4.8	5.8	6.4
	WET	1.7	1.9	2.8	3.0	4.8	5.8	6.4	6.9

RG-6/U FOAM SUPER COLOR DUCT 75 OHM

9533-500 Spool ■ 100% Shielded ■ 18 Ga. Pure
9533-1000 Copper Center Conductor ■ 47%
Aluminum Braid ■ Black PVC Jacket
■ UL Listed ■ CATVX Grade



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	1.7	1.9	2.8	3.0	4.8	5.8	6.4
	WET	1.7	1.9	2.8	3.0	4.8	5.8	6.4	6.9

RG-6/U FOAM SUPER COLOR DUCT 75 OHM

9529-500 Spool ■ 100% Shielded ■ 18 Ga. Copper
9529-1000 Weld Center Conductor ■ 47%
Aluminum Braid ■ Black PVC Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	1.7	1.9	2.8	3.0	4.8	5.8	6.4
	WET	1.7	1.9	2.8	3.0	4.8	5.8	6.4	6.9

RG-59 SUPER COLOR DUCT 75 OHM

9530-500 Spool ■ 100% Shielded ■ 22 Ga. Copper
9530-1000 Clad Steel Center Conductor
9530-FP-1000 Feeder Pak[®] ■ 56% Aluminum Braid
■ Black PVC Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	2.3	2.7	4.1	4.4	7.0	8.0	8.9
	WET	2.3	2.7	4.1	4.4	7.0	8.0	8.9	9.4

RG-59 FOAM SUPER COLOR DUCT 75 OHM

9540-500 Spool ■ 100% Shielded ■ 22 Ga. Copper
9540-1000 Clad Steel Center Conductor
9540-FP-1000 Feeder Pak ■ 56% Aluminum Braid
■ Foam Dielectric ■ Black PVC
Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	2.1	2.5	3.6	3.8	5.9	6.8	7.7
	WET	2.1	2.5	3.6	3.8	5.9	6.8	7.7	8.0

RG-59 FOAM SUPER COLOR DUCT 75 OHM

9542-500 Spool ■ 100% Shielded ■ 22 Ga. Copper
9542-1000 Clad Steel Center Conductor
9542-FP-1000 Feeder Pak ■ 56% Aluminum Braid
■ Foam Dielectric ■ UL Listed
■ CATVX Grade ■ Black PVC Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	2.1	2.5	3.6	3.8	5.9	6.8	7.7
	WET	2.1	2.5	3.6	3.8	5.9	6.8	7.7	8.0

RG-59 FOAM SUPER COLOR DUCT 75 OHM

9544-500 Spool ■ 100% Shielded ■ 22 Ga. Copper
9544-1000 Clad Steel Center Conductor
9544-FP-1000 Feeder Pak ■ 56% Aluminum Braid
■ Foam Dielectric ■ White PVC
Jacket



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
		DRY	2.1	2.5	3.6	3.8	5.9	6.8	7.7
	WET	2.1	2.5	3.6	3.8	5.9	6.8	7.7	8.0

Channel Master® TRANSMISSION LINE

75 Ohm Coaxial Cable (continued)

RG-59 COPPER BRAID "100" 75 OHM

9359-500	Spool	<ul style="list-style-type: none"> ■ 100% Shielded ■ 22 Ga. Copper Clad Steel Center Conductor ■ 56% Copper Braid ■ Black PVC Jacket
9359-1000		



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	2.3	2.7	4.1	4.4	7.0	8.0	8.9	9.4
	WET	2.3	2.7	4.1	4.4	7.0	8.0	8.9	9.4

RG-59 COAXIAL CABLE 75 OHM BONDED

9375-500	Spool	<ul style="list-style-type: none"> ■ 100% Shielded ■ 56% Aluminum Braid ■ Foil Shielding bonded on Foam Dielectric ■ 22 Ga. Copper Clad Steel Center Conductor ■ PVC Jacket
9375-1000		
9375-FP-1000	Feeder Pak	



DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	2.1	2.5	3.6	3.8	5.9	6.8	7.7	8.0
	WET	2.1	2.5	3.6	3.8	5.9	6.8	7.7	8.0

Model 3050-53



Model 9392



Model 9393



Model 9394



UHF/VHF SUPER COLOR DUCT HANKS

3050-25	Hank	Coaxial Cable hanks with Gold Plated "F" connectors.
3051-50		
3052-75		
3053-100		

UHF/VHF HOOKUP CABLE

9392-6	Poly Bag Hang Card	Super Color Duct white coaxial cable with "F" connectors attached
9393-12		
9394-30"		

300 OHM UHF/VHF/FM

DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	.6	.8	1.0	1.3	2.1	2.5	3.0	3.6
	WET	.9	1.2	1.7	2.0	4.0	5.5	6.5	8.0

JUMBO POLYCLAD

9555-50	Hank	<ul style="list-style-type: none"> ■ 18 Gauge ■ 7 Strand, Pure Copper
9555-100		
9555-500	Spool	■ Black Poly Jacket

DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	.9	1.2	1.5	2.0	3.2	3.8	4.5	5.4
	WET	1.3	1.7	2.3	3.2	7.2	9.5	11.1	13.5

POLYCLAD FOAM

9354-50	Hank	<ul style="list-style-type: none"> ■ 20 Gauge ■ 7 Strand, Pure Copper ■ Black Poly Jacket
9354-75		
9354-100		
9354-500	Spool	
9354-1000		
9354-FP-1000	Feeder Pak	

DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	.9	1.2	1.5	2.0	3.2	3.8	4.5	5.4
	WET	1.3	1.8	2.6	3.8	8.1	10.2	12.1	14.7

POLY FOAM

9355-50	Hank	<ul style="list-style-type: none"> ■ 20 Gauge ■ 7 Strand Pure Copper
9355-100		
9355-500	Spool	■ Black Foam
9355-1000		

DB LOSS PER 100 FEET	MHz	57	85	177	213	500	650	800	900
	DRY	.9	1.2	1.5	2.0	3.2	3.8	4.5	5.4
	WET	1.8	2.8	3.7	5.2	14.0	20.0	32.0	46.0

COPPER JAC





9580-50	Hank	<ul style="list-style-type: none"> ■ 80 Mil. ■ 20 Gauge
9580-100		
9580-500	Spool	<ul style="list-style-type: none"> ■ 7 Strand Copper Clad Steel ■ Black
9580-1000		

DB LOSS PER 100 FEET	MHz	57	85	177	213
	DRY	1.0	1.3	1.6	2.2
	WET	1.9	2.9	3.9	5.3

MAVERICK®

9591-50	Hank	<ul style="list-style-type: none"> ■ 80 Mil. ■ 20 Gauge Nominal ■ 7 Strand Pure Copper
9591-75		
9591-100		
9591-500	Spool	<ul style="list-style-type: none"> ■ Black
9591-1000		

ROTOR WIRE

3 CONDUCTOR ROTOR WIRE			
9538-50	Hank	■ 3 Conductor	
9538-75		■ 20 Gauge	
9538-100		■ 7 Strand	
9538-500	Spool	■ Black	
9538-1000		■ Printed Reference Conductor	
4 CONDUCTOR ROTOR WIRE			
9541-50	Hank	■ 4 Conductor	
9541-75		■ 20 Gauge	
9541-100		■ 7 Strand	
9541-500	Spool	■ Black	
9541-1000		■ Printed Reference Conductor	
3 CONDUCTOR ROTOR WIRE			
9554-50	Hank	■ 3 Conductor Round	
9554-75		■ 20 Gauge	
9554-100		■ 7 Strand	
9554-500	Spool	■ Black Vinyl Jacket	
9554-1000		■ Conductors Color Coded	
9554-FP-1000	Feeder Pak		
4 CONDUCTOR ROTOR WIRE			
9557-50	Hank	■ 4 Conductor Round	
9557-100		■ 20 Gauge	
9557-500		■ 7 Strand	
9557-1000	Spool	■ Black Vinyl Jacket	
9557-FP-1000		Feeder Pak	■ Conductors Color Coded

Save Time, Space and Money with FEEDER PAK® Transmission Line Dispenser

Channel Master makes installation more convenient than ever! Reelax wound dispenser uses a looped stacking system to pay out wire cleanly, with no tangles or kinks.

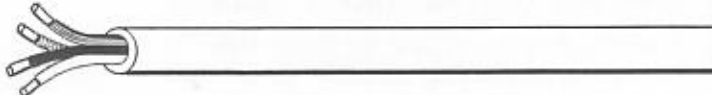
- **Save Time**—Smooth fast feed without setup or dereeling stands
- **Save Space**—Compact, lightweight cartons are easy to stack, flatten out for disposal.
- **Save Money**—Needs no tensioning device. Eliminates damaged wire and run-on waste.

FEEDER PAK—Now available for these transmission lines:





9354-FP-1000	9530-FP-1000	9542-FP-1000	9554-FP-1000
9375-FP-1000	9540-FP-1000	9544-FP-1000	9557-FP-1000



PHONE WIRE

4-CONDUCTOR TELEPHONE WIRE			
3350-50	Hank	■ 4-Conductor Round	
3351-100		■ 22 Ga. Solid Copper Wire	
9593-500	Spool	■ Beige PVC Jacket	
9593-1000		■ Conductors Color Coded	

GUY WIRE and GROUND WIRE

	GOLDEN GUY—VINYL CLAD STEEL GUY WIRE		
9082	■ Gold Vinyl Covered 6-20 Steel Guy Wire ■ 20-50 ft. Snarl Proof Interconnected Hanks per box		
	ALUMINUM GROUND WIRE	GALVANIZED STEEL GUY WIRE	
9090	■ No. 8 Solid Wire ■ 20-50 ft. Snarl Proof Interconnected Hanks per box	9085	■ 6-16 Steel ■ Snarl Proof ■ 20-50 ft. Interconnected Hanks per Box
		9080	■ 6-20 Steel ■ Snarl Proof ■ 20-50 ft. Interconnected Hanks per Box

Channel Master[®] ACCESSORIES

ACCESSORIES
HARDWARE ■ CHEMICALS



GUY RING AND CLAMP
Model 9012 1 1/4" Guy Ring and Clamp



TRIPLE GUY WIRE CLAMP
Model 9015 (Eyebolts included)
Takes up to 2" masts



U-BOLT AND NEST ASSEMBLY
Model 9017



NAIL CLIP FOR RG-59
Model 9628—Black
Long Nail for Shingles and Wood Siding



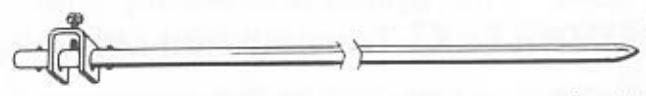
NAIL CLIP FOR RG-59
Model 9629—Black
Model 9619—Beige
Short Nail for Masonry



VERTICAL WALL CLIP
Model 9623
for RG-59



HORIZONTAL WALL CLIP
Model 9631
for RG-59



GROUND RODS: steel rod, copper coated with captive clamp.
Model 9075 4' x 3/8"
Model 9076 6' x 3/8"

WALL FEED THRU FOR RG-59
Model 9625—Beige



CABLE TIE
Model 9624
8" Tie Wrap

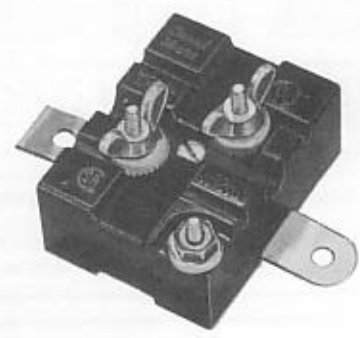
CHANNEL MASTER CONTACT SHIELD:
Tested and proved best for noise-free contact conditioning .6 oz. or 16 oz. cans.

50 BELOW CIRCUIT COOLING SPRAY:
Locates PC board cracks and thermal intermittents in seconds. 13 oz. can.

Model	Description
9100	Contact Shield, 6 oz.
9101	Contact Shield, 16 oz.
9108	50 Below, 13 oz.



UL Listed Outdoor/Indoor Antenna Discharge Unit




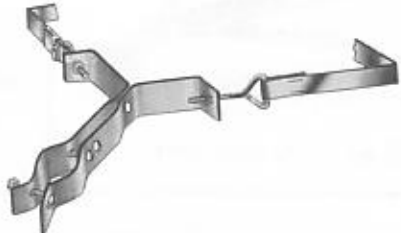

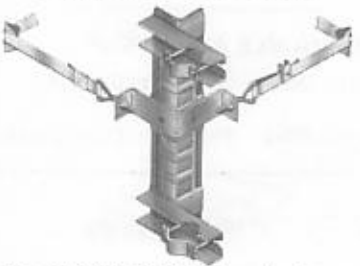


Model 9050
UL Listed, 300 Ohm

Channel Master® MOUNTS

Base Mounts



 <p>Universal Swivel Base Mount Model 9013 1¼" to 1½" Mast</p>	 <p>Universal Swivel Base Mount Model 9014 Up to 1½" Mast</p>	 <p>Peak Mount Model 9005 Up to 1½" Mast</p>	 <p>Universal Steel Mounts Model 9039 1¼" to 1½" Mast Model 9040 1½" to 1¾" Mast Model 9041 2" to 2¼" Mast</p>
--	---	--	--

Chimney Mounts

 <p>Z-type Chimney Mounts Model 9058 10' Stainless Steel Straps Model 9060 12' Galvanized Straps</p>	<p>Snap-In "Y" Chimney Mount</p>  <p>Model 9062 12' Galvanized Steel Straps Model 9063 12' Stainless Steel Straps</p>	<p>U-Bolt "Y" Type Chimney Straps</p>  <p>Model 9057 10' Stainless Steel Straps Model 9067 18' Stainless Steel Straps Double Rivet</p>
<p>Stainless Steel Straps</p>  <p>Model 9068 12' Single strap chimney mounts. Model 9069 18' Single strap chimney mounts.</p>	<p>Ratchet Type Chimney Mounts</p>  <p>Model 9072 ¾" x 12' Stainless Steel Straps Model 9073 ¾" x 18' Stainless Steel Straps</p>	<p>Triple Rivet "Y" Type Chimney Mounts</p>  <p>HEAVY DUTY HOT DIP GALVANIZED HOT DIP</p> <p>Model 9064 12' Stainless Steel Straps/Triple Rivet Model 9066 18' Stainless Steel Straps/Triple Rivet</p>

Eave Mounts



Model 9029
48" Up to 1½" Mast
(Lag Bolts Included)

HEAVY DUTY

Vent Mounts

Vent Mount
Model 9002
Accepts up to 1¼" masting on up to 3" pipe.




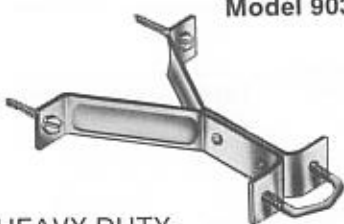

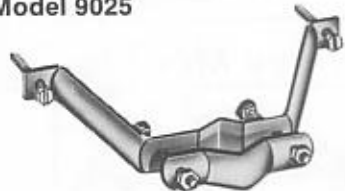



Vent Mount
Model 9001
Accepts up to 6" Vent, Up to 1½" Mast











Channel Master® MOUNTS-HARDWARE

MOUNTS, HARDWARE

Wall Mounts

<p style="text-align: center;">Model 9016</p>  <p>4" Heavy Duty Up to 1½" Mast</p>	<p style="text-align: center;">Model 9023</p>  <p>4" Takes Masts up to 1½" (Lag Bolts Included)</p>	<p style="text-align: center;">Model 9074</p>  <p>8" Snap-In Up to 1½" Mast (Lag Bolts Included)</p>
<p style="text-align: center;">Model 9032</p>  <p>HEAVY DUTY 6" (Lag Bolts Included)</p>	<p>Model 9034 12" Model 9036 18"</p>  <p>HEAVY DUTY (Lag Bolts Included)</p>	<p style="text-align: center;">Model 9025</p>  <p>HEAVY DUTY 3" Up to 2½" Mast (Lag Bolts Included)</p>

Hardware

 <p>With Universal Grommet Fits either 75 Ohm coax or 300 Ohm twinlead.</p>	 <p>TERMINALS Model 9666 Terminal—100 Lot Package</p>
<p style="text-align: center;">SINGLE STANDOUTS AND GROMMETS</p>  <p>Model 9632 3½" Single Model 9633 5½" Single Model 9634 7½" Single</p>	 <p>NUTBUCKLE AND STRAP Model 9660 Galvanized Steel Strap Model 9662 Stainless Steel Strap</p>
 <p style="text-align: center;">IN LINE DOUBLE Model 9640 7½" In Line Double</p>	 <p style="text-align: center;">TURNBUCKLES Model 9668 5½" Closed— 7½" Open (¼")</p>
 <p style="text-align: center;">SNAP-ON STANDOUTS Model 9645 for ¼" Mast</p>	 <p style="text-align: center;">WOOD SCREW EYEBOLTS Model 9672 3" x ¼" Model 9673 5" x ¼"</p>
 <p style="text-align: center;">MASONRY DRIVE-IN STANDOUT Model 9651</p>	 <p style="text-align: center;">LAG BOLTS Model 9667 Lag Bolt—100 Lot Package</p>

Channel Master® MOUNTS

TRIPOD MOUNTS

- 9003** 3'-1 1/4" Dia. Legs...Heavy Duty Galv. Steel Mount Preassembled...up to 1 1/4" Mast.
- 9004** 5'-1 1/4" Dia. Legs...Heavy Duty Galv. Steel Mount Preassembled...up to 1 1/4" Mast.
- 9007** 5'-1 1/4" Dia. Legs...Heavy Duty Gold DURA-TUBE® Mount...Individually boxed.
- 9008** 10 ft. Heavy Duty Tripod Mount 1 1/4" Galv. Steel Legs and Support Brackets - Packed 3 per bundle.
- 9137** 3'...Gold DURA-TUBE® Tripod Mount...1 1/4" Dia. Legs. 1 per box.
- 9138** 3'...Galvanized...1 1/4" Dia. Legs...packed 3 per bundle.
- 9139** Pitch Pad and Lag Bolt Kit.



Heavy Duty Tripod Mounts:
Model 9003 3 ft. Galv.
Model 9004 5 ft. Galv.
Model 9007 5 ft. Gold



10 ft. Heavy Duty Tripod Mount
Model 9008
 1 1/4" Galv. Steel Legs and Support Bracket



Tripod Mounts with Adjustable Legs:
Model 9137—3 ft. Gold*
Model 9138—3 ft. Galv.
 *with pitch pads, lag bolts

PITCH PAD AND LAG BOLTS

Pitch Pad & Lag Bolt Kit
Model 9139
 3—Pitch Pads
 6—2" x 1/4" Lag Bolts



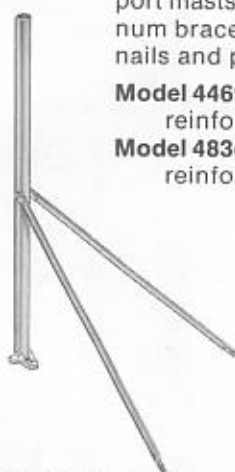
TRI-MAST MOUNTS

High strength DURA-TUBE® support masts with heavy gauge aluminum braces. Double-headed spiral nails and pitch pads included.

- Model 4469**—3 foot with heavy duty reinforced support legs
- Model 4834**—5 foot with heavy duty reinforced support legs.

NOTE: These Tri-Mast mounts are recommended only for center mount antennas with a maximum boom length as below:

4469 & 4834—80"



Model 4469



Model 4834



Model 9147
 Heavy Duty Tri-Mast Leg Kit...includes foot for 1 1/4" or 1 1/2" masting. Mast not included. Packed with Pitch Pads and Lag Bolts.

DURA-TUBE[®]

Special Process Rust Inhibitor-Primer
with a durable Gold Powder Coat Paint Finish.

Channel Master DURA-TUBE[®] Super Alloy is the steel masting with the double overcoat for lasting beauty and protection.

Channel Master starts with the finest quality high-tensile steel tubing, then flow coats it with a specially formulated rust inhibitor-primer...inside and out...before it receives a gleaming gold powder coat painted overcoat. The end result is a super-tough weather protected mast that is 50% stronger than high carbon steel masting of the same diameter.

SUPER MAST

Hot Dip Galvanized
Inside and Out!

Hot dip galvanizing through and through provides outstanding corrosion and rust resistance...even in difficult weather areas!

SUPER
MAST
With Round
Guy Rings
on all
telescoping
models



DURA-TUBE[®] STRAIGHT LENGTH

1607	5 ft. 1 1/4" x 16 Ga.
1612	10 ft. 1 1/4" x 16 Ga.
1617	10 ft. 1 1/2" x 16 Ga.
1807	5 ft. 1 1/4" x 18 Ga.
1812	10 ft. 1 1/4" x 18 Ga.
2007	5 ft. 1 1/4" x 20 Ga.
2012	10 ft. 1 1/4" x 20 Ga.

SUPER MAST TELESCOPING MAST

1620	20ft. 16, 16 Ga.
1630	30 ft. 16, 16, 18 Ga.
1640	40 ft. 16, 16, 18, 18 Ga.
1650	50 ft. 16, 16, 18, 18, 18 Ga.
1820	20 ft. 18, 18 Ga.
1830	30 ft. 18, 18, 20 Ga.
1840	40 ft. 18, 18, 20, 20 Ga.
1850	50 ft. 18, 18, 20, 20, 18 Ga.

SUPER MAST STRAIGHT LENGTH

1610	10 ft. 1 1/4" x 16 Ga.
1615	10 ft. 1 1/2" x 16 Ga.
1810	10 ft. 1 1/4" x 18 Ga.

Channel Master[®] ANTENNA SYSTEMS EQUIPMENT

Economy Amplifiers



Model 0523C VHF/FM 75 Ohm

- High Gain
- Low Noise
- Corrosion-Proof Housing
- Instant 2-Way Hookup



Model 0060 UHF/VHF 75 Ohm

- High Gain
- Low Noise
- Total Lightning Protection
- Unconditional Stability
- Easy Mount on Antenna or Mast
- Fixed FM Trap

ECONOMY AMPLIFIERS SPECIFICATIONS

Application	Model	Band Coverage	No. of Transistors	Down lead	Number Outputs	FM Control			Noise Figure dB			Typical Gain			
						Switchable	Tunable	Fixed	LO	HI	UHF	LO	FM	HI	UHF
Deep Fringe	0523C	VHF/FM	1	75	1 set 75 Ohm	No	No	No	2.8	3.2		17	17	16	
Deep Fringe	0060	UHF/VHF	2	75	1 set 75 Ohm	No	No	Yes 18 dB	3.5	4.5	7.0 to 10.0	18		20	12

Deluxe Spartan™ Amplified Couplers | Economy Spartan™ Amplified Couplers



Model 0062 UHF/VHF/FM 75 Ohms, 4 Outputs



Model 0052A UHF/VHF 75 Ohms, 2 Outputs
Amplifies CATV Mid-Band



Model	Band Coverage	No. of Transistors	Input Impedance	Number of Outputs and Impedance	FM Attenuation	Typical Gain Each Tap (dB)		
						LO	HI	UHF
0062	U/V/FM	3	75 Ohm	4-set 75 Ohm	Switchable 25 dB	9	8	10
0052A	UHF/VHF	1	75 Ohm	2-set 75 Ohm	Fixed 20 dB	9	8	8

INDOOR AMPLIFIERS

1-SET



Model 0008
Single Output Amplifier 75 Ohm, VHF/FM including CATV mid and super bands. This unit offers a typical gain of 10 dB across the entire band (50-300 MHz) and is ideal for amplifying a weak antenna signal on a "CATV Feed".

2-SET



Model 0009
2-Set Output Amplifier 75 Ohm, VHF/FM including CATV mid and super bands. This unit offers a typical gain of 6 dB at each output and the flexibility of operating 2 TV sets without the use of an additional splitter.

4-SET



Model 0010
4-Set Output Amplifier 75 Ohm, VHF/FM including CATV mid and super bands. This unit offers a typical gain of 4 dB at each output and the flexibility of operating 4 TV sets without the use of an additional splitter.

Channel Master® Spartan 2™ Outdoor Amplifiers with High Gain, Low Noise and Extra Input Capability!

APPLICATION ENGINEERED FOR EASY INSTALLATION, EXTRA WEATHER PROTECTION!

SPARTAN 2™ PERFORMANCE FEATURES

- High Gain, Low Noise
- High Input Capability
- Increased Lightning Protection
- FM Interference Control
- Exceptional Stability
- Out of Band Rejection Filters



Spartan 2™ ABS unitized pre-amp housing can't corrode, can't leak. Hinged bottom cover opens wide and closes tight—super seals lead wire connections. Unique rotating FM trap plug eliminates contact problems for FM and out-of-band interference control. Angled terminal board creates its own drip loops. Same high gain, low noise, superior performance and lightning protection.



UNITIZED CONSTRUCTION means no seams or screw holes for truly efficient Spartan 2 weather protection.



HINGED BOTTOM COVER and 45° TERMINAL BOARD make Spartan 2 installation a snap.



ROTATING FM PLUG and TUNEABLE TRAP eliminate FM interference problems for Spartan 2.



REINFORCED MOUNTING PLATE keeps Spartan 2 amplifiers securely in place. (J-hook supplied for boom-mounting VHF/FM models)

E-Z INSTALLATION POWER SUPPLY



This housing makes both 75 and 300 Ohm installations more convenient than ever. Recessed terminal bays accept .412 and .500 cable connectors. Inset mounting screw slots eliminate the need for separate mounting brackets.



Channel Master® ANTENNA SYSTEMS EQUIPMENT

Preamplifiers with Tuneable/Switchable FM Traps

	Model	No. Transistors	Down lead Imped.	No. Outputs	FM Control			Noise Figure dB			Maximum Input Microvolts (7 Ch.)			Typical dB Gain			
					Switchable	Tunable	Fixed	LO	HI	UHF	LO	HI	UHF	LO	FM	HI	UHF
UHF/VHF/FM HIGH INPUT FRINGE AREA	0063C	3	300	2 sets 300 Ohm	Yes 25 dB	Yes	No	3.0	3.8	3.5 to 6.5	40,000 uV			16	15	17	22
	**0263C	3	300	2 sets 300 Ohm	Yes 25 dB	Yes	No	3.0	3.8	3.5 to 6.5	40,000 uV			16	15	17	22
	0064C	3	75	1 set 75 Ohm	Yes 25 dB	Yes	No	3.0	3.8	3.5 to 6.5	40,000 uV			17	16	17	23
	*0068C										40,000 uV			17	16	17	23
		**0264C	3	75	1 set 75 Ohm	Yes 25 dB	Yes	No	3.0	3.8	3.5 to 6.5	40,000 uV			17	16	17
	***0268C																
VHF/FM HIGH INPUT FRINGE AREA	0029C	1	300	4 sets 300 Ohm	Yes 25 dB	Yes	No	3.0	3.8		40,000 uV			16	16	17	
	0040C	1	75	1-75 Ohm 1-300 Ohm	Yes 25 dB	Yes	No	3.0	3.8		40,000 uV			17	17	18	
VHF/FM DEEP FRINGE AREA	0059C	2	75	1-75 Ohm 1-300 Ohm	Yes 25 dB	Yes	No	3.8	2.8		20,000 uV			21	17	20	

THE FOLLOWING AMPLIFIERS DO NOT CONTAIN TUNEABLE/SWITCHABLE FM TRAPS

UHF PASS VHF/FM HIGH INPUT FRINGE AREA	0071C	2	75	1 set 75 Ohm	No	No	No			3.5 to 6.5	40,000 uV			0	0	0	23
	*0069C	2	75	1 set 75 Ohm	No	No	No			3.5 to 6.5	40,000 uV			0	0	0	23

*75 Ohm Inputs **Separate Inputs ***Separate 75 Ohm Inputs

QUANTUM® "C" Cartridge Amplifiers



IMPROVED QUANTUM® "C" FEATURES:

- High Gain, Low Noise.
- High Input Capability.
- Superior Lightning Protection.
- FM Interface Control.
- Out-of-Band Interference Control.
- UL Listed Power Supply.

QUANTUM Cartridge Amplifiers are designed for use with QUANTUM antennas only. They fit the convenient, weatherproof housings on QUANTUM (models 1110, 1111, 1112, 1113, 1114, 1160, 1161, 1162, 1163, 1165 and 4257).

Cartridge Amplifiers with Switchable FM Traps

	Model	No. Transistors	Down lead Imped.	Number Outputs	FM Trap Switchable	Noise Figure dB			Maximum Input Microvolts (7 Ch.)			Typical dB Gain			
						LO	HI	UHF	LO	HI	UHF	LO	FM	HI	UHF
UHF/VHF/FM DEEP FRINGE HIGH INPUT	0100C	3	75	1 set 75 Ohm	20 dB	3.0	4.0	3.5 to 5.5	40,000 uV			16	16	17	25
VHF/FM FRINGE HIGH INPUT	0096C	1	75	1-75 Ohm 1-300 Ohm	20 dB	3.0	4.0		40,000 uV			16	16	17	

QUANTUM® UHF Cartridge Amplifiers with VHF/FM Bypass

UHF FRINGE HIGH GAIN	0098C	2	75	1 set 75 Ohm	No			3.5 to 5.5			40,000 uV	-1.5	-1.5	-1.5	25
----------------------	-------	---	----	--------------	----	--	--	------------	--	--	-----------	------	------	------	----

Channel Master® ANTENNA SYSTEMS EQUIPMENT

ANTENNA SYSTEMS EQUIPMENT

Baluns & Matching Transformers



ANTENNA MOUNTED BALUN
UHF/VHF/FM
Model 0035B
UHF/VHF Traps FM
Model 0036
Balun mounts directly to the terminals of any antenna

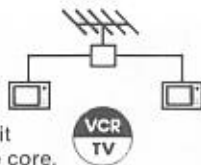


BALUN/MATCHING Transformer
UHF/VHF/FM
Model 0089/0090
For use with the QUANTUM® antenna in 75 Ohm installations. Fits into the weather protected terminal housing.
NOTE: Model 0090 includes mounting clip for use with other antennas.

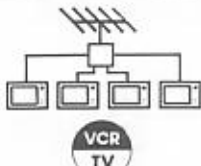
300 Ohm Set Couplers



UHF/VHF/FM
300 Ohm, 2-Set Coupler
Model 0246
Advanced diplexer circuit with dual toroidal ferrite core.

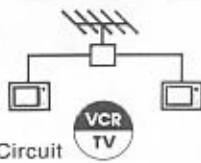


UHF/VHF/FM
300 Ohm
4-Set Coupler
Model 0244



MOST EFFICIENT
UHF/VHF/FM
Coupler in the
Economy Class!
Model 0238

Famous Wheatstone Bridge Circuit



For mast mounting, order 0243 mounting kit.
For use with any small or large passive housing shown on pages 36-37.

Band Rejection Filters

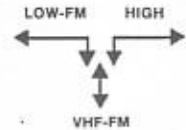


Model 0214 (300 Ohm)
Model 0514 (75 Ohm)
Rejects FM Band. Effectively traps FM Band as much as 30 dB down.

Band Joiners and Separators



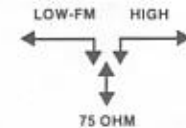
Low-FM Band
High Band
Model 0233



Joins any VHF low-band antenna and any VHF high-band antenna to one transmission line. One 300 Ohm Ch. 2 to 6 plus FM input and one 300 Ohm Ch. 7 to 13 input. One 300 Ohm VHF/FM output.



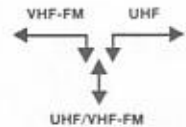
Low-FM Band
High Band
Model 0533



Joins any VHF low-band antenna and any VHF high-band antenna to one transmission line. One 300 Ohm Ch. 2 to 6 plus FM input and one 300 Ohm Ch. 7 to 13 input. One 75 Ohm "F" fitting VHF/FM output.



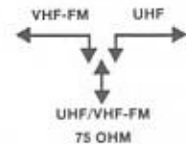
UHF/VHF/FM
Model 0234



Joins any VHF/FM band antenna and any UHF band antenna to one transmission line. One 300 Ohm VHF/FM input and one 300 Ohm UHF input. One 300 Ohm UHF/VHF/FM output.



UHF/VHF/FM
Model 0248
UHF/VHF/FM
Model 0548

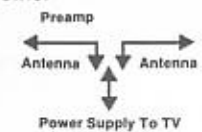


Joins any VHF/FM band antenna and any UHF antenna to one transmission line. One 300 Ohm VHF/FM input and one 300 Ohm UHF input. One 75 Ohm cable clamp UHF/VHF/FM output.

Model 0548 same as above with one 75 Ohm "F" fitting UHF/VHF/FM output.



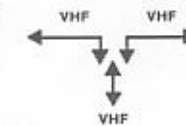
UHF/VHF/FM Antenna Joiner
Model 0237 (300 Ohm)
Model 0537 (75 Ohm)



Joins any preamplified antenna to any unamplified antenna to one transmission line.



75 Ohm Backmatched
Antenna Combiner
VHF/FM
Model 7145



This unit should be used when combining a 2-bay stacking array of 75 Ohm single channel Yagis. It can also be used to couple other 75 Ohm VHF antennas.

Channel Master® ANTENNA SYSTEMS EQUIPMENT

JOIN-TENNA® System

WHAT THE JOIN-TENNA® SYSTEM IS:

The JOIN-TENNA® Coupling System consists of a series of single channel couplers, each containing a combination band pass filter and stop band filter (channel trap). There is a JOIN-TENNA® Coupler for every VHF and UHF channel...simply select the model number for the channel you wish to receive or trap out.

CHECK THESE ADVANTAGES:

- Total Installation Flexibility
- Eliminates Specialized Antennas
- 75 Ohm and 300 Ohm
- Low Loss—High Isolation—No Switches

VHF JOIN-TENNA® (will pass UHF)



24 models
300 or 75 Ohm

300 Ohm Models	Channels	75 Ohm Models
0272	2	0572
0273	3	0573
0274	4	0574
0275	5	0575
0276	6	0576
0277	7	0577
0278	8	0578
0279	9	0579
0280	10	0580
0281	11	0581
0282	12	0582
0283	13	0583

There are 24 VHF JOIN-TENNA® Couplers...two for each channel; one for 300 Ohm and one for 75 Ohm.

Note: The JOIN-TENNA® cannot be used with single channel Yagis operating on adjacent channels, except for channels 4 and 5, and channels 6 and 7.

The JOIN-TENNA® also serves as an effective channel trap with 20 dB attenuation. Do not use to trap channels adjacent to the ones you desire.

UHF JOIN-TENNAS®

75 OHM
UHF JOIN-TENNA®
(Will Pass VHF)

Model 0585
Specify Ch. 14-83

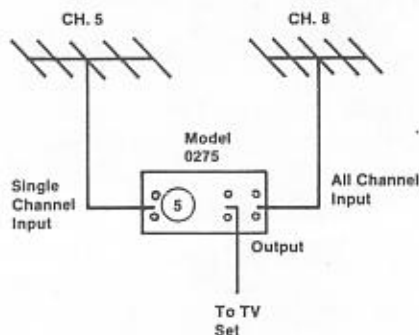
300 OHM
UHF JOIN-TENNA®
(Will Not Pass VHF)

Model 0285
Specify Ch. 14-83

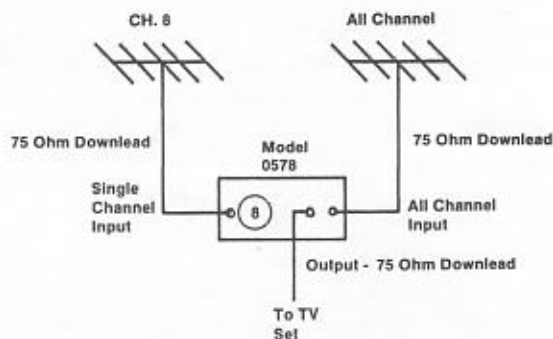
There is a JOIN-TENNA® Coupler for each UHF channel (e.g. model 0285 for UHF channel 50).

The JOIN-TENNA® also serves as a channel trap and effectively blocks out interfering channels (more than 5 channels away). 20 dB attenuation.

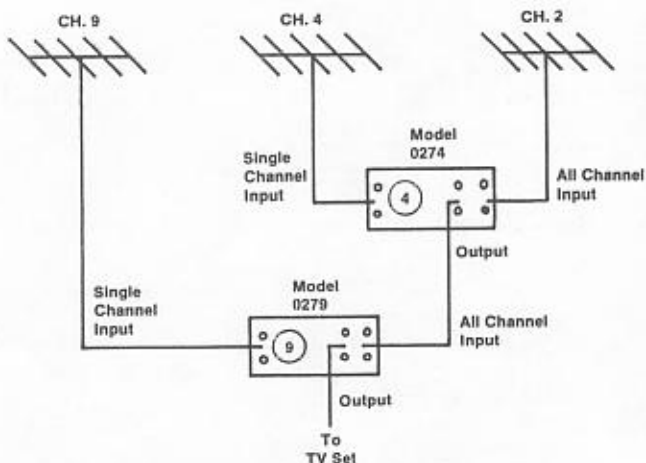
TYPICAL APPLICATIONS



Coupling two cut-channel yagis*, order one coupler for the lower channel.



Coupling cut-channel yagi*, with an all-channel antenna, order the coupler for the cut-channel yagi*.



Coupling three or more antennas, couple the top antennas on the mast as described above and order second coupler for remaining cut-channel yagi*.

*(Or high band, low band, broadband antennas used to receive a single channel).

Channel Master® MATV SUPER TITAN PREAMPLIFIERS

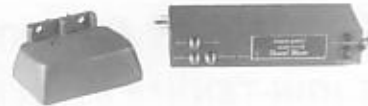
SUPER TITAN PREAMPLIFIERS



SUPER TITAN PREAMPLIFIERS with Power Supply—75 Ohm Input, 75 Ohm Output

Model 7475 UHF
Model 7476 VHF/FM

Channel Master models 7475 and 7476 are MATV 75 Ohm antenna preamplifiers for deepest fringe area reception. The high gain and low noise of these units allow for longer cable runs between antenna and power source without additional amplifiers.



SUPER TITAN PREAMPLIFIER with Power Supply—300 Ohm Input, 75 Ohm Output

Model 7477 UHF/VHF

This high gain preamplifier gives you the added installation convenience of either separate or combined 300 Ohm UHF and VHF antenna inputs. Hook-up is simple and direct. 300 Ohm inputs and 75 Ohm "F" type output connectors permit direct antenna connection and the use of coaxial down-lead without additional antenna joiners or baluns.

The Super Titan Preamplifiers are recommended for difficult reception areas where TV signals are weak due to excessive transmitter distance or path obstructions. Designed for deep fringe reception. Because of their extremely high gain and low noise figures, these preamplifiers also allow for longer cable runs without using additional line amplifiers in good signal areas.

The amplifier circuitry is unconditionally stable, providing complete reliability under even the most adverse conditions. Maximum lightning, static and surge protection is provided through advanced circuit design considerations and special dual diodes.

PREAMPLIFIER FEATURES:

- Extra High Gain
- Low Noise
- Rugged Die-Cast Aluminum Housing
- Ultra Stable Circuitry
- Mast Mounted (hardware included)

POWER SUPPLY FEATURES:

- Heavy Duty Metal Construction
- 3-Wire Line Cord
- AC "On" Indicator
- UL Listed
- -20 dB Backmatched Test Jack
- Rack or Wall Mount

SUPER TITAN SPECIFICATIONS

MODEL	7475	7476	7477
Frequency Range	470 to 890 MHz	54 to 216 MHz	54 to 216 MHz 470 to 890 MHz
Gain—Typical			
VHF Lo-Band	N/A	33 dB	27 dB
VHF Hi-Band	N/A	31 dB	27 dB
UHF	30 dB	N/A	27 dB
Input Capability (1% Xmod)	+15 dBmV (2 ch.)	+15 dBmV (4 ch.)	+20 dBmV (VHF - 4 ch.) +20 dBmV (UHF - 2 ch.)
Noise Figure—Typical			
VHF Lo-Band		2.5 dB	4.0 dB
VHF Hi-Band		3.0 dB	2.5 dB
UHF	2.8 dB to 4.0 dB		2.8 dB to 4.0 dB
Ambient Operating Temperature Range		-40° C to +60° C (All models)	
Preamplifier Power Requirements (Supplied by Power Supply)	Minus 16 VDC	Minus 16 VDC	Plus 16 VDC
Impedance	75 Ohm In 75 Ohm Out	75 Ohm In 75 Ohm Out	(2) 300 Ohm In 75 Ohm Out
Housing	Preamplifier Power Supply	Rugged Die-Cast Aluminum (All Models) Heavy Duty Metal Construction (All Models)	
Mounting	Preamplifier Power Supply	Mast Mounting (All Models) Wall mount or unique rack mounting (All models)	
Power Requirements (Power Supply)		117 VAC 60 Hz 10 Watts (All Models)	
Monitor Test Jack		-20 dB Backmatched (All Models)	
Connectors		"F" Type Coaxial, Supplied (All Models)	

Satellite TV...

*your business companion
to additional sales*

Offer your customers a variety of programming at their finger tips that only satellite TV can provide. With over a hundred channels to choose from featuring: Movies, Sports, Documentaries, World Events and more, it's the perfect complement to local off-air television.

Outstanding Performance by Design

All Channel Master satellite products are engineered to provide maximum performance and durability. At our antenna test range facility, experienced RF microwave engineers in conjunction with highly-skilled mechanical design engineers continuously develop new improvements to satellite reception technology.

Manufacturing Quality

Channel Master continues to be the leader in antenna manufacturing. Beginning with raw aluminum and steel materials, a wide variety of heavy and light metal fabrication processes are used to produce satellite reception products to exacting design standards. In addition, multiple quality control inspections further ensures that this high standard is maintained throughout the manufacturing process.

For further information about Channel Master Satellite Products and Pricing, contact your distributor or write:

Channel Master
P.O. Box 1416
Industrial Park Drive
Smithfield, NC 27577
Attn: Satellite Product Manager

