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e labs Stereo Digitally Tuned Modulators

The Gold Series modulators distribute MTS Stereo Surround Sound, along with a high quality video signal, to multi-room locations. Digital phase lock loop (PLL) tuning eliminates channel drift. Exclusive DVD compatible technology eliminates poor video performance, caused by DVD copy-guard, common when modulating DVD signals. 125 digitally selectable channels for easy channel selection. UHF channels 14~69; cable channels 54~94, 100~125. Local antenna or cable and audio/video loop through. Full channel memory.

Order #	Mfr. #	Inputs/Outputs	(ea.)	(2-up)
33-6860	2002G	Dual channel	\$459.00	\$449.00
33-6870	4004G	Four channel	799.00	771.47



e labs Digitally Tuned Modulators

The Theater 1001F is a digitally tuned modulator that distributes high quality audio/video signal to multi-room locations. The digital phase lock loop (PLL) tuning eliminates channel drift. 120 selectable channels: UHF channels 14~69; cable channels 60~94, 100~125. Binary Code Decimal (BCD) channel selector for easy tuning. Isolated right and left mono inputs improve audio performance. **Features:** Switch type channel select and full channel memory for power outages.

Order #	Mfr. #	Channels	(ea.)
33-7255	1001F	Single	\$69.95

BLONDER TONGUE Audio/Video Demodulator

The ZDM-806 is an agile audio/video demodulator. This unit provides audio and video output from any channel in the 50~806MHz frequency range. The ZDM-806 is ideal for signal monitoring and signal conditioning (audio/video processing and demodulation) applications. Agile channel selection, via front panel LED displays and channel up/down buttons, permits on-the-fly channel changes. The ZDM-806 takes a single channel in the 50~806MHz frequency range (either VHF, UHF or CATV channels) and demodulates the audio and video information. Baseband audio and video are provided as outputs. The ZDM-806 features a rock solid, PLL synthesized frequency control. Frequency selection is accomplished via front panel LEDs and channel up/down buttons. A channel lockout mode is also provided to prevent accidental channel changes. **Features:** 50~806MHz agile demodulator, LED display with convenient channel selection, superior performance **Specifications:** **RF:** •RF input frequency range: 54~806MHz •Channels: VHF, UHF, CATV input level-range: -5~+30dBmV •Noise figure: 8dB **Video:** •Output level: 1.0V p-p •Output impedance: 75ohm **General:** •Power requirements, voltage: 117, ±10% VAC •Frequency: 60Hz •Power: 2.5W

Order #	(ea.)
33-2800	\$219.00



BLONDER TONGUE Combiner

The ZHC-12 is a professional quality, passive and active output combiner. This unit is designed for use in headends to combine the outputs of multiple modulators and processors. The ZHC-12 has twelve (12) broadband input ports and one combined output port. This combiner features high isolation between ports due to an integrated directional coupler design. The input ports of the ZHC-12 are broadband, accepting signals in the 50~450MHz frequency range. **Specifications:** **ZHC-12 RF:** •Number of inputs: 12 •Frequency range: 50~450MHz •Insertion loss: 16dB •Isolation: 40dB •Impedance-all ports: 75ohm **Connectors (rear panel):** •RF input(s): "F" type, female •RF output: "F" type, female •Test port (front panel): "F" type, female **General:** •Power requirements: •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 10W **Connectors (rear panel):** •RF input(s): "F" type, female •RF output: "F" type, female •Test port (front panel): "F" type, female

Order #	Mfr. #	(ea.)
33-2820	ZHC-12	\$59.95

Tru-Spec:

Digital UHF Modulator

The USM-8D is a low cost, frequency stable, UHF modulator developed for use in adding satellite, VCR, or security video channels to an existing home distribution system.

The frequency adjustable feature allows multiple channel use at an extremely low cost. **Specifications:** •Frequency range: UHF channels 14~69 and CATV channels 65~139 •Video input: Composite •Output impedance: 75ohm •Output level: 7dBmV •Power input: 115VAC, 60Hz, 5W •Connectors: "F" for RF, RCA video and audio •Mfr. #USM-8D

Order #	(1-9)	(10-up)
33-2740	\$45.95	\$42.49

BLONDER TONGUE



BLONDER TONGUE Agile Audio/Video Modulators

The AM Series includes professional quality, agile audio/video modulators. These units provide audio and video modulated RF carrier on any channel in the 50~550MHz frequency range. Agile channel selection permits on-the-fly channel changes and reduces the need for large inventories of channelized products. These modulators have a wide range of standard and optional features that make them very suitable for advanced SMATV and CATV systems. The AM Series takes baseband audio and video and modulates these signals onto any channel in the 50~550MHz frequency range. **Featured options:** 4.5MHz audio input, video input, BNC connector, sub band output, video AGC, spectrum inversion, balanced audio input, 600ohm, composite video and 4.5MHz audio input, Z-TAC interface, digital control-parallel, digital control-serial RS-232. Includes all these options except sub-band output. **Specifications:** **RF:** •Frequency range: 50~450MHz •Frequency range: 50~550MHz •Channels: VHF, CATV (STD, HRC, IRC) •Video input level: 1.0V p-p •Frequency response: fv -0.5MHz~fv +4.2MHz: 1.0MHz •Video signal-to-noise ratio: 60dB •Input impedance: 75ohm •Audio input level: 140mV RMS •Frequency range: 20Hz~20KHz •Input impedance standard: 10Kohm, unbalanced **General:** •Power requirements: •Voltage: 117VAC, ±10% •Frequency: 60Hz •Mfr. #AM-60-550

Order #	(ea.)
33-3070	\$779.00



BLONDER TONGUE Agile Modulators

The consumer agile modulators are unique RF, UHF and VHF hyperband modulators. Their design allows the user to insert video from a VCR, laser disc or any baseband video signal into their home RF system. The #33-2025 and 33-2035 work on UHF. The #33-2020 and 33-2030 work on VHF hyperband or with CATV systems. The single and dual channel units add flexibility to your system. Perfect for whole house TV systems and CCTV systems.

Order #	Description	(ea.)
33-2020	VHF hyperband single output	\$159.00
33-2025	VHF single output	159.00
33-2030	VHF hyperband dual output	219.00
33-2035	UHF dual output	219.00



Digital RF Modulator

Accepts video and audio from a camera, VCR or any other video device.

Digital channel selection for UHF channels 14~69 or CATV channels 66~134. Antenna/CATV input and built-in combiner. •Frequency range: 471.25MHz ~ 855.25MHz •Antenna input frequency: 50MHz~900MHz •Automatic gain control

Order #	(ea.)
82-8105	\$79.99



TERK Four Output RF Modulator and Video Switcher



Converts up to four audio/video source inputs (DVD, PVR, VCR, camcorders, video game systems, etc.) to VHF for viewing on any TV. Switchable between video sources and cable or antenna. Stereo A/V and selectable to channel 3 or 4 output. Front panel instant push button switching. Eliminates the need for extra monitors. Separate VHF antenna/cable input simplifies installation and switching of components. UL listed, FCC approved.

Order #	Mfr. #	(ea.)
33-9640	MOD-41	\$21.95



TERK RF Modulator

The TERK RF modulator allows video components such as DVD players, video games, VCRs and camcorders to be viewed on televisions that are not equipped with an available A/V jack. Selectable channel 3 or 4 output, the modulator automatically switches to the video source when a signal is detected. Terk's RF modulator is the ideal way to connect multiple components to any television. Mfr. #MOD-34.

Order #	(ea.)
30-1595	\$17.95



TERK MINI RF Modulator

The TERK MINI modulator is a compact, inexpensive modulator that will convert any video source to VHF for viewing on your TV on either channel 3 or 4. Its low signal loss enables it to deliver excellent picture and sound quality. The MINI allows you to connect additional A/V components, such as a DVD player or a gaming system, to

your TV when there are no available RCA jacks. It is the optimum modulator for anyone looking to extend the functionality of any TV without sacrificing space, price or ease of installation. Most common A/V devices are gaming systems and DVD players that take up space around your TV. Conventional modulators, usually set on top of your TV, can add to this disorder. Unlike other modulators, the MINI is compact; it reduces the clutter around your TV by easily mounting on your wall or entertainment center. The MINI was designed to be in-line, so that it can hang or be mounted on a vertical surface and out-of-sight. After first installation, there is no need to access the MINI again. It features automatic signal detection and automatically switches between A/V sources when a signal is detected.

Order #	Mfr. #	(ea.)
33-9645	MINI	\$15.95

MCM Auto Switching RF Modulator

Connect your DVD or Sony Playstation to your television for operation on channels 3 or 4. Automatic switching senses if DVD or Playstation is on and automatically switches from cable TV, DSS or off air antenna to the game or DVD. Modulator includes audio video cable and RF cable.



Order #	(ea.)	(2-up)
33-7030	\$24.95	\$23.65

Stellar Labs™

SLV A/V RF Modulator

The mini RF modulator is a compact, inexpensive modulator that will convert any composite video source to VHF for viewing on your TV on either channel 3 or 4. Its low signal loss enables it to deliver excellent picture and sound quality. This modulator allows you to connect additional A/V components, such as a DVD player or a gaming system, to your TV when there are no available RCA jacks. **Inputs:** Three RCA (composite video and stereo audio), one "F".

Order#	(1-5)	(6-up)
33-9775	\$9.95	\$9.53



RF Modulator w/Antenna Switch

Accepts video and audio from a camera, VCR or any other video device and modulates to television channel 3 or 4. Built-in selector switch to choose between A/V source and antenna or cable TV.

Order #	(ea.)
82-8100	\$25.45

PHILIPS

Video RF Modulator

• Lets you connect DVD, VCR, selected video games and satellite receivers to older TVs' antenna/cable inputs or to TVs without audio/video inputs • Channel 3/4 selectable

Order #	(1-9)
M61138	\$9.99



RCA RF Modulator and Video Switcher

• Lets you connect components with S-video or composite output (DVD, satellite) to a TV without A/V jacks, by modulating the signal to RF • Ideal for hooking up several components to a TV • Combines RF modulator and S-video switcher into one unit • Converts any input (S-video, composite, A/V, stereo) to RF output • A/V and S-video switching • Composite to S-video converter • Front input, stereo input • Gold plated connectors

Order #	(ea.)
CRF940	\$25.95

Channel Combiners

• Combines channel 3/4 signal (from VCR, computer, game, etc.) with existing VHF signals not including channel 3/4 • Also removes bleedover of channel 3/4 modulated signal from adjacent channels 2 and 4

Order #	Combiner	(1-9)	(10-up)
33-255	3	\$17.68	\$17.17
33-1080	4	17.68	17.17



Front



Back

SATV/CATV



section
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CHANNELPLUS S-Video Modulator

The new SVM series of modulators offers complete MTS stereo encoding and S-video inputs in a full component size rack mountable case. The SVM-22 and SVM-24 are two and four channel stereo modulators with 25dBmV of output and easy push button programming. The SVM series incorporates S-video inputs that support both S-video and composite video feeds with included adaptors. Offering full MTS stereo with dbx noise reduction and Dolby Pro Logic® compatibility makes the SVMs perfect for integration into any home theater system. The SVM series offers integrated IR control. Each modulator has IR emitter output jacks and is compatible with both 12 volt and 5 volt IR systems. The SVMs, with their new desktop power supplies, can remotely power a DA-550 or DA-8200 series distribution panel from up to 75' away.

Order #	Outputs	(ea.)
SVM-22	Dual	\$215.90
SVM-24	Quad	323.68



CHANNELPLUS Digital RF Modulators

The 5515, 5525 and 5545 are one, two and four channel input modulators with loop-out capabilities and integrated IR control. Each offers IR emitter output jacks and the ability to remotely power a DA-550 series or an DA-8200 series distribution panel from up to 75' away. The 5500 series works with both the 12 volt and 5 volt IR systems and accessories. The 5515, 5525 and 5545 offer 75ohm termination jumpers on all channels to loop-through the video and audio signals. **Features include:** 1, 2 and 4 channels, push button programming, UHF 14-64 and CATV 65-125, 25dBmV output.

Order #	Outputs	(ea.)
5515	1	\$72.00
5525-01	2	117.70
5545-01	4	187.55

CHANNELPLUS Stereo Converter

Stereo Converter

Convert virtually any make of mono modulator to stereo. 5601 goes between the audio source and the current modulator. **Features:** 20dB of separation, dbx noise reduction, Dolby Pro Logic compatible.

Order #	(1-4)
5601-01	\$170.00



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 269



Whole House Infrared Remote Control

Control any infrared controllable video or audio product from any TV location in the house. The infrared codes are picked up by a target and transmitted through the homes coax cable and instantly repeated by each repeater/emitter. A 2100A interface is used at any location a target or emitter is used and the 2100 Series has numerous emitters and target configurations. All components are powered centrally from the coaxial cable panel, there is no need for any additional power or wires.

Order #	Description	(ea.)
2100A	In-wall interface with RF output	\$35.00
Targets		
2130A	IR remote mini-target	68.50
2131	IR remote in-wall target	52.50
2132	IR remote set-top target	40.00
2133	IR target with coax input	40.00
Emitters		
2172	Dual IR emitter	12.00
2173	IR repeater/emitter	6.50
2174	IR expansion block	28.00



Point-To-Point S-Video Distribution System

Channel Plus now offers video and audio distribution with full IR control over Cat 5 with the new SVC-10. The SVC-10 can send S-video or composite video with either digital or analog audio to any room up to 1000' away. The new SVC-10 is designed for Cat 5 or 5e structured wire installations. The SVC-10 is compatible with both NTSC and PAL video standards. The two-piece SVC-10 system consist of a rack mountable transmitter with inputs for S-video, composite video, digital and analog audio along with an IR emitter jack and RJ-45 output connector. Each input has auto termination loop-through for connecting a local video/audio system. The miniature in-room receiver has one RJ-45 input and one each S-video, composite video, digital and analog audio outputs along with a 12V IR target input jack.

Features include: Auto termination loop through, 19" rack mountable (one space) and automatic optical to coax digital audio conversion.

Order #	(ea.)
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SVC-10	\$269.00
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High Headroom Distribution Amplifier

The DA-550 series is designed with the highest headroom available in a distribution amplifier. Traditional panels are not designed to handle the radical variations in signal strengths that have come about with HDTV. New technologies such as HDTV create special problems for current video distribution panels. The DA-550s can handle an extremely wide range of input signals from today's NTSC and tomorrow's digital TV. With outputs to eight televisions, coax runs up to 150', three inputs, one from a CATV or antenna and two from modulators, the DA-550 is the heart of a multi-room distribution system. The DA-550BID offers a 5~42MHz return path for bi-directional communication for use with cable modems and pay-per-view applications. The DA-550HHR is used with high performance antenna applications for off air digital and NTSC signals. **Additional features:** IR engine, remote power and expandable outputs.

Order #	(ea.)
DA-550BID	\$159.30
DA-550HHR	159.30



All-In-Two Multi-Room RF Distribution Kit

The All-In-Two Multi-Room RF distribution kit includes all of the components needed to distribute broadband RF, four locally generated signals to eight TVs and IR remote control to three rooms in a house. **The kits include:** 4 channel RF modulator (5545), 3-input/8-output RF distribution panel (DA-8200HHR or DA-8200BID), three rooms of IR interface, expandable to eight rooms (2133) and IR control of two video devices (two 2172).

Order #	Description	(kit)
5558BID	Bi-directional amplifier	\$500.00
5558HHR	High head-room amplifier	500.00



Caller TV™

Caller-TV places Caller-ID information at the bottom of the television screen in large easy to read letters. It uses an RCA video input and output to display over any satellite, VCR, DVD, laserdisc, video game or video camera signal for 10~15 seconds. Even without a video source, Caller-TV makes its own blue screen with white ID information which is retained until the next call is received. Caller-TV requires activated Caller-ID service from the local phone company. **Specifications:** Power: 12VDC, 100mA. Connection: Telephone: Two RJ-11 jacks. Video in/out: RCA type jacks, composite video.

Order #	Mfr. #	Description	(ea.)
82-6845	CTV-1	Single line	\$57.00



Whole House Distribution System

Accepts A/V signals from video sources like satellite, VCR and laser disk and modulates to a user selected channel for viewing throughout the house on an unused UHF channel or cable TV VHF channel. Each model accepts, amplifies, and distributes broadband CATV or off air antenna to all TVs. The #3025 allows IR control of video products from any TV location using optional repeaters. Model #3025 has two A/V inputs and five outputs. Model #3015 has one A/V input and four outputs.

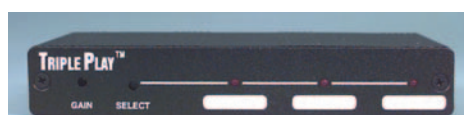
Order #	Modulator CH Output	(ea.)
3015	14-69U, 65-125V	\$51.75
3025	14-64U, 99-125V	119.00



RF Distribution Amplifier

For systems with up to eight TV outlets and cable lengths up to 150'. The DA-8200 series provides outputs to eight televisions, three inputs from an off-air antenna or CATV and two modulator locations. The compact design feature ensures a quick installation for surface mount application or in a structured wire enclosure like the 2619. The DA-8200 series may be remotely powered from up to 75' away by using a remote wall plate model 2010 or any 5500 series or SVM series modulator. The DA-8200 series offers optional IR control of connected video sources and whole house IR integration with a 5V IR engine. The easy to use 2133 target connects directly to the coax run of any room and allows IR signals to be routed to either a 2010 wall plate, 5500 series or SVM series modulator. The DA-8200BID offers a 5~42MHz return path for bi-directional communication for use with digital cable interactive set-top boxes. The DA-8200HHR is used with high performance antenna applications for off-air digital and NTSC signals.

Order #	Description	(ea.)
DA-8200BID	Bi-directional amplifier	\$159.30
DA-8200HHR	High head-room amplifier	159.30



Triple Play™

This three channel digital modulator is only 3.9" (L) x 5.5" (W) x 0.9" (H) and weighs only 8.7 ounces. It is the perfect modulator for security installations, discreet monitoring, or single channel satellite and audio/video applications. Easily allows you to use cameras to see approaching visitors or intruders at your home, business or apartment on a standard TV or cable TV channel. Use this modulator to distribute your VCR, Laserdisc, DSS or cable box throughout your home. Mfr. #MM73.

Order #	(ea.)
82-2740	\$174.00



DA-500A Amplifier

The DA-500A amplifier is ideal for residential cable systems or as an antenna pre-amplifier. The DA-500A offers a more robust power supply and greater EMI rejection.

Specifications: Bandwidth: 40MHz~1GHz. Gain: 18dB +/- 1dB.

Order #	(ea.)
DA-500A	\$60.00



DA-506BID Distribution Panel

The DA-506BID distribution panel creates an ideal entry level product for broadband distribution. Encased in an extruded aluminum shell, the DA-506BID meets the needs of small distribution systems which do not require IR control or modulator inputs. The DA-506BID has one input for CATV or off-air antenna and six outputs. Four outputs are for up to 75' and two are for 150'. Additionally, the DA-506BID has bi-directional capabilities using a 5~42MHz return path on the CATV input allowing for compatibility with cable modem and interactive set-top boxes. **Specifications:** Bandwidth 54~806MHz. Gain: 20dB +/- 1dB.

Order #	(ea.)
DA-506BID	\$67.45



Notch Filter

The NF64-70 notch filter is designed to eliminate television channels 64 through 70 thus allowing a clean section of the cable to insert locally generated signals. The center of the notch is channel 67 at -55dB.

Order #	(ea.)
NF64-70	\$25.00



Low Pass Filters

A ChannelPlus low pass filter is used on systems when the broadband feed is supplied by a CATV service. The filter removes all CATV channels above the pass band, allowing insertion of locally generated channels. In addition, the filters remove cable system noise which degrades the picture quality of the locally generated channels.

Order #	Pass Band (MHz)	(ea.)
LPF-380	40~380MHz	\$19.00
LPF-470	40~470MHz	20.00
LPF-600	40~600MHz	30.00
LPF-750	40~750MHz	30.00



Cable Modem Isolator

Separates and isolates noise/EMI caused by higher cable modem transmission signals. Improves internet download reliability and reduces cable modem "sync" problems. Easily plugs into to coax wall jack allowing dedicated runs to a cable modem and TV tuner. •Frequency range: 10~770MHz •Insertion loss: <5.0db.

Order #	(1-9)	(10-up)
33-10395	\$5.99	\$4.79



#33-8745



#33-8760

Broadband Distribution Amps

For broadband applications up to 1GHz including cable television and digital television. Suitable for medium sized distribution networks including homes and small condominium complexes. High gain low noise amplifier with built-in FM trap. **Specifications:** Frequency range 40~1000MHz. FM trap -20dB. Power: 120VAC.

Order #	Outputs	Gain	Gain Adjust	(1-9)	(10-up)
33-8745	1	36dB	18dB	\$29.99	\$26.74
33-8755	2	15dB	10dB	25.99	24.60
33-8760	4	11dB	-	24.99	23.53



Tru-Spec UHF-VHF-FM Distribution Amplifier

The TA-52 is a 52dB gain UHF/VHF/FM broadband distribution amplifier designed to function as a reliable, key component in medium and large MATV systems. Signal control is provided through front panel design. UHF/VHF input may be combined or separated by use of a single throw switch. Low band VHF, high band VHF and UHF frequencies have separate gain controls and switchable 10dB input attenuators. Features include switchable FM trap and backmatch -20dB test point. **Specifications:** •Bandwidth: Low band: 54~108MHz, High band: 174~216MHz, UHF: 470~806MHz •Gain minimum: 48dB •Output capability: 60dBmV (3 channels) •Input attenuators: 10dB •Impedance, input and output: 75ohm •Power requirements: 115VAC, 60Hz, 25W

Order #	(1-9)	(10-up)
33-2680	\$199.00	\$192.00

Tru-Spec Push-Pull Amplifiers

The CA-30 is a high quality push-pull amplifier producing signals with extremely low distortion and harmonic content. The CA-30 enclosure uses a black anodized aluminum extrusion to assure reliable heat sinking and corrosion resistance. **Features:** •Wide frequency range: 54MHz~550MHz, 30dB gain, adjustable slope control, adjustable gain control, input and output test points, designed for CATV apartment distribution systems **Specifications:** •Bandwidth: 54~550MHz •Gain: 30dB •Gain adjust range: 0~8dB •Power requirements: 115VAC, 60Hz, 4W •Slope: 0~8dB variable •Noise figure: CA-30, 5.0dB



Order #	(1-9)	(10-up)
33-2670	\$149.00	\$144.00



50MHz~1GHz Broadband Amplifier

The HDA-1000 is a low noise linear distribution amplifier providing high power outputs at extremely low distortion. The wide bandwidth allows the user a single amplifier for all distribution frequency applications; VHF, mid band, super band, hyper band, ultra band and UHF. **Features:** •Wide forward frequency range: 50MHz~1GHz, low noise figure, 30dB gain to 1GHz, surface mount strip line design, designed for all broadband systems, built-in slope (44dB typical, 55MHz~1GHz) **Specifications:** •Bandwidth: 50MHz~1GHz •Forward gain: 50MHz~600MHz, 31dB, ± 2dB, 600MHz~1GHz, 32dB, ± 3dB •Power requirements: 115VAC, 60Hz

Order #	(1-9)	(10-up)
33-2675	\$149.00	\$144.00

Tru-Spec

UHF/VHF/FM 36dB Amplifier

Features: •Low noise •Two switchable FM traps •Separate gain controls •AC power indicator •50dB output capability •-20dB monitor output •Fuse protected **Specifications:** •Bandwidth: 54MHz~108MHz, 174MHz~216MHz, 470MHz~812MHz •Gain: VHF, 31dB; UHF, 36dB •75ohm input/output •Power requirements: 115VAC, 60Hz •Dimensions: 8" (L) x 1" (H) x 3" (D) •Fuse protected



Order #	(1-9)	(10-up)
33-0890	\$99.99	\$97.34

Tru-Spec

UHF/VHF/FM 12dB Amplifier

Features: •Low noise •Lightning protection •AC power indicator •Two outputs •Low cost **Specifications:** •Bandwidth: 54~890MHz •Gain: VHF, 12dB; UHF, 11dB •Maximum input: VHF, 35dB; UHF, 25dB •Maximum output: VHF, 47dB; UHF, 38dB •Noise figure: VHF, 6dB; UHF, 7dB •Power requirements: 115VAC, 60Hz •Dimensions: 5" (W) x 1" (H) x 3" (D)



Order #	(1-9)	(10-up)
33-0445	\$36.31	\$23.67

Channel Master Multi-Set Indoor Distribution Amplifiers

Model 3042 is ideal for amplifying a weak antenna or cable signal. Models 3043, 3044, 3045 allows distribution of amplified signals to 2, 4 or 8 television sets or other video equipment without the use of additional splitters.

Order #	Mfr. #	Description	Gain	(ea.)
33-8970	3042	1 output	13dB	\$37.50
33-8975	3043	2 output	22dB	34.95
33-8980	3044	4 output	22dB	49.95
33-8985	3045	8 output	22dB	73.71



RF Amplifiers

Low noise VHF/UHF/FM signal amplifiers. Variable gain control -10dB. Built-in FM trap (-20dB). **Specifications:** Frequency range: 40~862MHz. Noise figure: <7dB. Power: 120VAC.

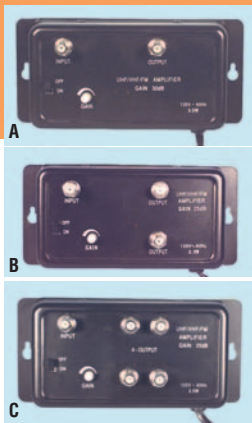
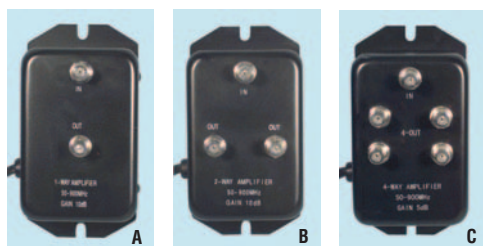


Fig.	Order #	Outputs	Gain	(1-9)	(10-up)
A	33-8715	1	30dB	\$12.95	\$12.43
B	33-8720	2	25dB	13.95	13.47
C	33-8725	4	20dB	15.95	15.37



RF Amplifiers

VHF/UHF/FM signal amplifiers for residential cable and antenna television. 40~862MHz bandwidth. <6dB noise figure. Operates on 120VAC.

Fig.	Order #	Outputs	Gain	(1-9)	(10-up)
A	33-8730	1	10dB	\$8.31	\$7.27
B	33-8735	2	10dB	10.39	9.63
C	33-8740	4	5dB	13.49	12.59

UHF/VHF/FM 25dB

Features: •Low noise •High overload capacity •Lightning protection at RF input •Heavy gauge metal case •On-off indicator light •Switchable FM trap **Specifications:** •Bandwidth (MHz): VHF 54~300; UHF 470~890 •Gain: VHF, 25dB; UHF, 23dB •Maximum input (dBmV): •VHF, 15; UHF, 17 •Maximum output (dBmV): VHF, 40; UHF, 40 •Noise figure (dB): VHF, low 5.4, high, 6.2; UHF, 14 •Power requirements: 117VAC •Dimensions: 6 1/2" (W) x 1 1/8" (H) x 3 3/8" (D)



Order #	(1-9)	(10-up)
33-290	\$24.95	\$23.64

UHF/VHF/FM 12dB

Features: •Low noise •High overload capacity •Lightning protection •Heavy gauge metal case •On-off indicator light **Specifications:** •Bandwidth (MHz): VHF 54~216; UHF 470~890 •Gain: VHF, 12dB; UHF, 10dB •Noise figure (dB): VHF, 6; UHF, 7.7 •Input capability (dBmV): 40 (100mV), 20 (10mV) •Input: 75ohm •Output: 75ohm •Power requirements: 117VAC; 60Hz •Dimensions: 6 1/2" (W) x 1 1/8" (H) x 3 3/8" (D)



Order #	(1-9)	(10-up)
33-280	\$20.95	\$19.24

UHF/VHF/FM 25dB Amplifier

•Low noise •Lightning protection •AC power indicator •Switchable FM trap •Low cost **Specifications:** •Bandwidth: 54~900MHz •Gain: VHF, 25dB; UHF, 22dB •Maximum input: VHF, 18dB; UHF, 16dB •Maximum output: 40dB (54~800MHz) •Noise figure: VHF, 5dB; UHF, 7dB •75ohm input/output •Power requirements: 115VAC; 60Hz •Dimensions: 5 1/2" (W) x 1 1/8" (H) x 3" (D)



Order #	(1-9)	(10-up)
33-0450	\$29.99	\$28.32

VHF/FM 20dB Amplifier

•50~450MHz bandwidth •20dB gain •40dB output capability •117VAC power requirement •Dimensions: 3 1/2" (W) x 2 1/4" (H) x 1 1/2" (D)



Order #	(1-9)	(10-up)
33-270	\$20.95	\$20.07

VHF/FM 10dB Amplifier

•50~300MHz bandwidth •10dB gain •30dB output capability •117VAC power requirement •Dimensions: 3 1/2" (W) x 2 1/4" (H) x 1 1/2" (D)



Order #	(1-9)	(10-up)
33-260	\$13.95	\$12.31

Four-Way Amplified Coupler

•50MHz~550MHz bandwidth •1~3dB gain •117VAC power required •One input, four outputs •Dimensions: 3 1/2" (W) x 2 1/4" (H) x 1 1/2" (D)



Order #	(1-9)	(10-up)
33-1475	\$12.50	\$11.82

Two-Way Amplified Coupler

•50MHz~550MHz bandwidth •4~6dB gain •117VAC power required •One input, two outputs •Dimensions: 3 1/2" (W) x 2 1/4" (H) x 1 1/2" (D)



Order #	(1-9)	(10-up)
33-1460	\$13.95	\$12.35

BLONDER TONGUE

ZTA-25

Specifications: RF: •Frequency range: 470~890MHz •Input level min: -8.5dB •Input level max: +22dB •Gain: 25dB(LB/FM), 22dB(HB), 18dB(UHF) •Noise figure: 5.0dB(VHF), 7.0dB(UHF) •Output level max: +47dBmV •FM trap depth (95~108MHz): -25 •Impedance all ports: 75ohm **General:** •Power requirements: Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 3.0W •Mfr. #ZTA-25



Order #	(1-9)	(10-up)
33-2855	\$26.01	\$24.71

BLONDER TONGUE

15dB Amplifier

Specifications: RF: •Frequency range: 54~220MHz, 470~900MHz •Input level min: -7.0dB •Input level-max: +18dB •Gain: 16dB (50~22), 12dB (470~800), 10dB (800~900) •Noise figure: 3.0dB (VHF), 4.0dB (UHF) •Output level max: +44dBmV •Impedance all ports: 75ohm **General:** •Power requirements: •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 4.2W •Mfr. #ZTA-15



Order #	(1-9)	(10-up)
33-2850	\$16.95	\$16.43

BLONDER TONGUE

Broadband Distribution Amplifiers

The ZCM Series includes professional quality, broadband distribution amplifiers, designed for special purpose applications in the MATV, SMATV, private and wireless cable markets. These amplifiers cover the 50~550MHz frequency range and provide low noise amplification at a reasonable cost. Two models are available with either 10 or 20dB of gain, each capable of accepting a relatively high input level. **Specifications:**

ZCM-101 RF: •Frequency range: 50~550MHz •Gain: 10dB •Noise figure: 3.5dB •Impedance-all ports: 75ohm **General power requirements:** •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 1.2W •Connectors (top panel): •RF input: Type "F", female RF output: Type "F", female **ZCM-201 RF:** •Frequency range: 50~550MHz •Gain: 20dB •Noise figure: 3.5dB •Impedance all ports: 75ohm **General power requirements:** •Voltage: 117VAC, ±10% •Frequency: 60Hz •Power: 1.4W •Controls (top panel): Tilt: Var. Control •Connectors (top panel): RF Input: Type "F", female •RF output: type "F", female

Order #	Mfr. #	(1-9)	(10-up)
33-2840	ZCM-101	\$14.95	\$14.68
33-2845	ZCM-201	21.50	20.81



#33-2840



#33-2845

BLONDER TONGUE

Multiple Dwelling Amplifier

This professional quality, broadband, indoor hybrid distribution amplifier is designed for RF distribution systems, such as apartment complexes, hospitals, schools, prisons, and hotels. It is ideal for those RF distribution systems whose input source is a cable drop, the output of a MATV/SMATV headend, or the output of a small CATV headend. The ACA 30-550 amplifier has a flat 30dB of operational gain, which is variable using a built-in gain control. Variable slope control is also provided, with an available range of 9dB. This amplifier uses a push-pull technology, capable of delivering high output levels with low distortion, even in systems with 110 channels of programming. It is housed in a compact, aluminum chassis that provides excellent heat dissipation, allowing the ACA 30-550 to be operated at high ambient temperatures with no degradation of performance or reliability. The ACA 30-550 is provided with an external power transformer for use with 117VAC power. The unit can also be powered directly with 24VAC. The superior design guarantees long service at an affordable price. This high performance hybrid amplifier is the obvious selection when cost and performance parameters are extremely tight. **Specifications: RF:** •Frequency range: 47~550MHz •Gain: 32dB •Noise figure(a): 8.0dB •Output level: +44dBmV •Gain control range: 15dB •Slope control range: 10dB •Impedance all ports: 75ohm •Mfr. #ACA 30-550



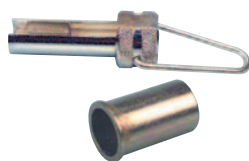
Order #	(ea.)
33-2875	\$263.00



See page 295
for more ground
loop isolators.

CATV Security Tool

• Precision machined, high-quality security tool for connecting and disconnecting cables protected by a security sleeve • Long shaft fits all types of sleeves



Order #	Description	(ea.)
33-0025	Security tool	\$6.69
33-0030	Security sleeve	0.49

Ground Isolation Transformer

5MHz~2.4GHz bandwidth for use in antenna, cable television and satellite systems. Reduces the effects of ground loops such as herringbone, beat and audio hum.



Order #	(1-9)	(10-up)
33-8700	\$17.95	\$15.40

Voltage Blocking Coupler

• Blocks DC and low frequency AC power • Solid brass body with nickel plating • Female to male fittings • 22 gauge spring steel center pin • 1~1000MHz bandwidth • 16dB return loss • 0.3dB insertion loss



Order #	(1-9)	(10-up)
33-0020	\$2.51	\$2.17

75ohm TV Interference Filters

• Used in cable or antenna systems to remove interference affecting picture quality



Order #	(1-9)	(10-99)	(100-up)
33-0070	\$2.79	\$2.41	\$1.89

Tru-Spec In-Line 950~2150MHz Amplifier

Features: Die-cast housing, low noise: 4dB, high gain: 20dB, passes DC through for powering LNBs, sloped gain for long cable runs, voltage supplied by the satellite receiver **Specifications:** • Noise figure: 4dB • Gain: 950MHz: 15dB, 1450MHz: 18dB, 1750MHz: 20dB, 2150MHz: 21dB • Maximum output: 30dBmV (12 channels) • DC voltage: 15~18VDC (negative ground) • Connectors: "F" type



Order #	(1-9)	(10-up)
33-2720	\$13.64	\$10.66

Channel Master Satellite Line Amplifier

The 5113IFD is a general purpose, low cost satellite IF (950~2050MHz) line amplifier with 14dB gain at 1450MHz and appropriate gain between 950 and 2050MHz to give cable slope compensation. **Typical applications include:** Long runs of coaxial cable (greater than 100') from satellite receiver to LNB, satellite IF distribution system where signal levels may have become marginal towards the end of the system, splitting a signal many ways which might cause excessive splitting loss. Includes two amplifiers in one housing. This is for dual cable, dual polarization systems.



Order #	Mfr. #	(ea.)
33-9440	5113IFD	\$9.95

In-Line Satellite Amplifier

Ideal for long cable runs. 20dB gain. Die cast housing. Powered by satellite control voltage.



Order #	(1-9)	(10-up)
33-8645	\$3.11	\$2.67

BLONDER TONGUE

Broadband Distribution Amplifiers

The ZTA Series are broadband distribution amplifiers designed for special purpose applications in the MATV, SMATV, private and wireless cable markets. These amplifiers provide high output and low noise amplification at a reasonable cost. Several models are available for VHF, FM, and UHF signal reception. The ZTA Series products are available with a number of gain levels so that a unit can be selected to fit most systems. The amplifiers come with a variety of features, including separate VHF and UHF antenna inputs, FM traps, and individual gain controls for VHF and UHF. The combination of split band amplification and low noise input circuitry results in a wide dynamic range and exceptional output capability. The ZTA Series products are UL and CSA approved and all models come with lightning and surge protected power supplies, thereby ensuring years of reliable operation.

BLONDER TONGUE

Broadband Amplifiers

The BIDA Series are professional quality, broadband, two-way capable, indoor hybrid distribution amplifiers that are designed for RF distribution systems, such as apartment complexes, hospitals, schools, prisons, hotels, and a wide variety of similar applications. The BIDA Series is ideal for multi-channel RF distribution systems whose input source is a "cable drop" or the output of a MATV/SMATV/CATV headend. Additionally, the BIDA Series may be used as the launch amplifier in a distribution network. These amplifiers use dual push-pull hybrid modules, capable of delivering high output levels with low distortion, even in systems with over 100 channels of programming. Power doubling models can be cascaded together with lower distortion resulting than the push-pull amplifiers allowing the system to maintain higher signal integrity. The gain and slope controls are designed between the hybrid modules for optimum noise figure, input return loss and output capability. Test ports for both the input and output are provided for testing signal levels without interrupting service. The BIDA Series come in a rugged, aluminum chassis that provides exceptional heat dissipation. This allows the BIDA Series to be operated at high ambient temperatures with no degradation of performance or reliability. The combination of features and durable construction ensures that the BIDA Series will provide years of reliable, trouble-free service.



Order #	Bandwidth MHz	Gain dB	Description	(ea.)
33-7815	49-550	50	Push-pull	\$559.00
33-7820	49-750	32	Push-pull	589.00
33-7850	49-860	44	Push-pull	679.00
33-7855	49-860	44	Power doubling	749.00

BLONDER TONGUE Antenna Preamplifiers

Superior performance rated, mast mounted preamplifiers for any home installation requirement. Featuring modern design, a high impact polypropylene case and simplified mounting. Compact indoor transformer and Power Adder are included with all models. Available to meet any amplification requirement. **Note:** All amplifiers operate on VHF LB, VHF HB and UHF. Individually packaged in display boxes.



BLONDER TONGUE ZTA-45

Specifications: RF: • Frequency range: 54~216MHz, 470~806MHz • Input level min: -7.0dB(LB/FM), -6.0dB(HB), -6.8dB(UHF) • Input level max: +14dB, 36dB(LB/FM), 35dB(HB), 37dB(UHF) • Noise figure: 6.0dB(LB/FM), 7.0dB(HB), 6.2dB(UHF) • Output level max: 49dBmV • Gain control range: 18dB FM trap depth (95~108MHz): -18 • Impedance all ports: 75ohm **General:** • Power requirements: Voltage: 117VAC, ±10% • Frequency: 60Hz • Power: 15.0W • Mfr. #ZTA-45

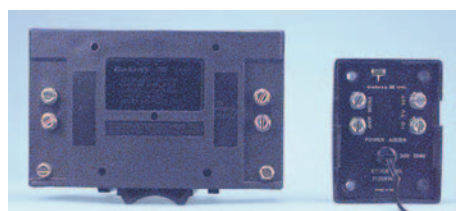
Order #	(ea.)
33-2865	\$226.00



BLONDER TONGUE ZTA-35

Specifications: RF: • Frequency range: 54~216MHz, 470~806MHz • Input level min: -7.0dB(LB/FM), -6.0dB(HB), -6.8dB(UHF) • Input level max: +14dB, 36dB(LB/FM), 35dB(HB), 37dB(UHF) • Noise figure: 6.0dB(LB/FM), 7.0dB(HB), 6.2dB(UHF) • Output level max: 49dBmV • Gain control range: 18dB • FM trap depth (95~108MHz): -18 • Impedance all ports: 75ohm **General:** • Power requirements: Voltage: 117VAC, ±10% • Frequency: 60Hz • Power: 15.0W • Mfr. #ZTA-35

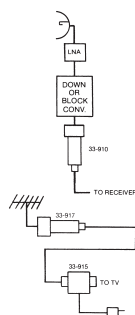
Order #	(ea.)
33-2860	\$139.99



Order #	Mfr. #	Description	Amplifier Gain		Noise Figure		(ea.)
			Ch.	dB	Ch.	dB	
30-1135	5120	All channel amplifier. Single 300ohm UHF/VHF antenna input. 300ohm output.	2-13	14	2-13	5.0	\$71.70
			14-69	19	14-69	3.5	
			70-83	18	70-83	5.2	
30-1140	5123	All channel amplifier. 300ohm UHF/VHF antenna input. 75ohm output.	2-13	15	2-13	5.0	72.95
			14-69	19	14-69	4.0	
			70-83	18	70-83	4.9	
30-1155	5124	All channel amplifier. Separate 300ohm UHF and VHF antenna inputs. 75ohm output.	2-13	15	2-13	5.0	70.65
			14-69	20	14-69	3.5	
			70-83	19	70-83	4.7	



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 273



In-Line Amplifiers

Specifications: •Bandwidth: 5~950MHz •Gain: 11dB •Maximum input: 20dB •Maximum output: 31dB •Noise figure: 4dB •Power requirements: 15VDC •Dimensions: 2½" (L) x ½" (dia) **#33-910 DC Passive:** For satellite 70MHz in-line amplification when power dividers, low gain LNAs and down converters require additional gain. **#33-917 Non-Passive:** For MATV/CATV applications when antenna preamplification and line amplification is required. **#33-915 Power Supply:** Provides power supply (15VDC) and diplexer for #33-917 and 33-910.

Order #	Type	(1-9)	(10-up)
33-917	Non-Passive Amp	\$12.95	\$11.41
33-910	DC Passive Amp	\$13.95	\$11.93
33-915	Power Supply	\$13.49	\$12.59

Tru-Spec

In-Line Amplifier

DC line powered amplifier for CATV or antenna applications. Bandwidth is 5~950MHz. Gain is 10dB. Use with #33-915 power supply.



Order #	(1-9)	(10-up)
33-2690	\$6.96	\$6.44

TERK

Indoor/Outdoor In-Line Amplifier

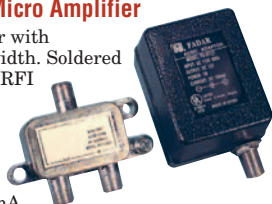
Amplifies satellite and terrestrial signals to compensate for splitters and long cable runs. TERK amplifiers are designed for optimum performance in TV and satellite. Lesser quality amplifiers do not offer extended bandwidth and gain flatness resulting in poor picture quality. High quality die-cast aluminum housing. **Specifications:** Frequency range: 54~2150MHz. Slope compensation gain: 11dB @ 54MHz, 20dB @ 2150MHz. Noise figure: <5dB. Input/output impedance: 75ohm.



Order #	Mfr. #	(ea.)
33-7220	BIA-20BP	\$24.99

✓MCR 10dB Micro Amplifier

10dB micro amplifier with 45~1000MHz bandwidth. Soldered back ensures 130dB RFI shielding. Heavy duty tin plated zinc housing. **Specifications:** Noise figure: 7dB. Power: 12VDC, 100mA. via included adaptor (using "F" cable).



Order #	(1-9)	(10-up)
33-7125	\$19.95	\$14.99

✓MCR Bi-Directional CATV Amplifiers

Digital amplifiers with return path for use with CATV converters (pay per view) and cable modems. Soldered back ensures isolation and signal integrity. **Specifications:** Bandwidth: 54~1000MHz. Noise figure: 3.5dB. Power: 12VDC, 250mA via included adaptor (using "F" cable).



Order #	Forward Gain	Reverse Gain	(1-9)	(10-up)
33-7110	15dB	0dB (Flat)	\$44.95	\$41.15
33-7111	15dB	10dB	44.95	39.95
33-7115	15dB	15dB	59.95	55.56
33-7116	20dB	15dB	59.95	54.95

CHANNELPLUS

DA-520A

The DA-520A is a bi-directional amplifier providing 20dB of forward gain and 0dB reverse gain. **Specifications:** Bandwidth: 54~806MHz. Gain: 20dB +/- 1dB.



Order #	(ea.)
DA-520A	\$67.99

Channel Master® Spartan 3 Mast Mounted Preamplifiers

The industry standard 0064 DSB features a single 300ohm VHF/UHF input and a single 75ohm output. Variations are available for applications requiring separate VHF and UHF inputs; 75ohm inputs; VHF only models and models with active UHF and passive VHF passbands. They have been designed for optimized performance with a supply voltage of +12~+22VDC from a satellite receiver. **Features include:** Surface-mounted components for automated production and consistent high performance. Easiest installation in the industry. High gain and ultra low noise figure from the latest generation transistors gives optimum sensitivity. Separate VHF and UHF amplification plus the use of ultra linear transistors improve output capability for optimum signal handling. Full lighting and surge protection.

Order #	Mfr. #	Inputs	Input Imp.	VHF Gain	UHF Gain	Power Supply	(ea.)
33-8900	0064DSB	1 (VHF/UHF)	300	16	23	Yes	\$89.29
33-8905	0264DSB	2 (VHF & UHF)	300	16	23	Yes	94.66

Outdoor Mast Mounted Amplifiers

These powerful UHF/VHF antenna signal amplifiers are designed to overcome signal loss related to long cable runs, splitters, and junctions. While an amplifier will not create a signal, it will increase its power and minimize disruptions. Kit includes mast mount amplifier, 110VAC power inserter, and 6' coaxial cable. Frequency range: 40~862MHz.

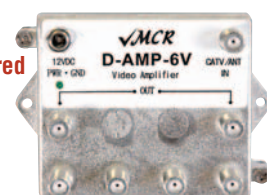
Order #	Mfr #	Gain	(ea.)
30-2090	PA-18	15db	\$39.95
30-2091	PA-17	17db	49.95



mounted amplifier, UL/CUL listed power supply, 6' RG-59 coaxial cable, weather boot. Packaged in a clear, clam shell blister pack for optimum consumer appeal. **Specifications:** Frequency range: 54~88MHz 174~806MHz. Impedance: 300ohm (in), 75ohm (out). Gain: 13dB. Power required: 120VAC.

✓MCR Broadband Structured Wire RF Amplifiers

Compatible with the market leader of structured wiring panels, these 5~1000MHz, DOCSIS® compliant amplifier modules are the ideal drop-in replacement for CATV in-home signal distribution. Improve your multimedia application with the latest broadband technology for HDTV QAM signals. Features include a durable, salt-spray-resistant housing, weather-sealed "F" ports, and exceptional surge performance.



Order #	Description	Gain	(ea.)
33-10225	6 output	+6.5dB gain	\$79.95
33-10226	8 output	+10.0dB gain	89.95



UHF and UHF amplification plus the use of ultra linear transistors improve output capability for optimum signal handling. Full lighting and surge protection.

Order #	Mfr. #	Inputs	Input Imp.	VHF Gain	UHF Gain	Power Supply	(ea.)
33-8900	0064DSB	1 (VHF/UHF)	300	16	23	Yes	\$89.29
33-8905	0264DSB	2 (VHF & UHF)	300	16	23	Yes	94.66



Channel Master® TITAN 2TM Mast Mounted Preamplifiers

The Titan range of mast mounted amplifiers has been completely reengineered and updated. These amplifiers represent the ultimate in preamplifier performance. They are designed for use as an ultra low noise, ultra high gain preamplifier for deepest fringe applications and MATV headend applications. Their very high signal handling also makes them suitable for use as a mast mounted, ultra low noise distribution amplifier for use in small MATV systems. All models feature 75ohm, input and output connections in line with modern headend engineering practice. Models 7777 and 7778 cover both VHF and UHF bands with separate amplification in each band for maximum signal handling. They may be configured for either separate or combined VHF and UHF inputs. They include a switchable FM trap.

Order #	Mfr. #	Input	VHF Gain	UHF Gain	(ea.)
33-8950	7775	UHF	N/A	26dB	\$94.49
33-8960	7777	UHF/VHF	23dB	26dB	100.39
33-8965	7778	UHF/VHF	16dB	23dB	99.95

Channel Master® ChannelMax® Outdoor Antenna Amplifier

Amplifies weak UHF/VHF television signals. Increases incoming signal by 20 times. Consists of antenna boom

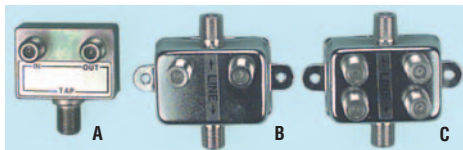
Order #	Mfr. #	(ea.)
33-8945	3039	\$39.99

FM Trap

Audio from the FM band can overcome the audio on adjacent television channels 6 and 7 and harmonics of the FM carrier. The FM trap eliminates the entire FM band from 88 to 108MHz reducing video noise and audio interference.



Order #	(1-9)	(10-49)	(50-up)
33-341	\$2.50	\$2.45	\$2.20



U/V Directional Taps

- Provides high isolation from reflected signals
- Maintains constant 75ohm impedance on trunk line • Tap at 12, 17 and 23dB

Order #	Description	(1-9)	(10-49)	(50-up)
A. One Output Zinc Die-Cast				
33-1175	12dB	\$2.89	\$2.61	\$2.24
33-310	17dB	2.99	2.70	2.32
33-1180	23dB	3.09	2.74	2.35
B. Two Outputs				
33-1185	12dB	4.29	3.83	3.54
33-320	17dB	4.19	3.80	3.51
33-1190	23dB	4.29	3.82	3.53
C. Four Outputs				
33-1195	12dB	5.99	5.62	4.77
33-330	17dB	5.89	5.36	4.55
33-1200	23dB	6.09	5.70	4.84

BLONDER TONGUE Directional Taps

Blonder Tongue offers a complete line of professional quality, economical indoor directional couplers and tapoffs with frequency coverage to 900MHz. Several models are available with four way taps in varying attenuation values.



Order #	Value	(1-9)	(10-up)
33-3000	8dB	\$6.25	\$5.92
33-3010	16dB	6.25	5.92



Telecrafter Products

Drop Enclosures

These drop enclosures will house and protect components from the elements that corrode and shorten their lives. Drop boxes produce a professional appearance for cable TV and satellite installations. The Econo Box combines the design and features of a drop box with an economical price. The Omni II box offers simplicity of installation and professional appearance along with a generous interior and the ability to seal the box for drop security. The Residential Control Box is designed to offer visual evidence of tampering and provides for easy maintenance. The Omni III is designed to facilitate the proper turning radius of coaxial cables. The Omni III is wide and deep enough to accommodate ground blocks, splitters and power dividers used for dual cable satellite installations. All boxes are UV resistant and come in a neutral gray color.

Fig.	Order #	Description	Dimensions (H) x (W) x (D)	(ea.)
A	33-6940	Econo box	7.25 x 4.75 x 1.75	\$4.09
B	33-6945	Omni II box	5.75 x 5.0 x 1.25	2.89
C	33-6950	Residential Control box	8.75 x 6.25 x 2.75	6.09
D	33-6955	Omni III box	6.5 x 9.0 x 1.75	4.79

BLONDER TONGUE

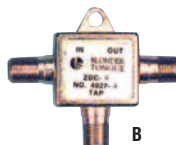
Solder Back Indoor/Outdoor Directional Couplers and Taps

Blonder

Tongue

offers a complete line

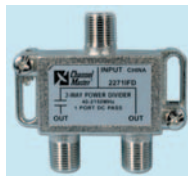
of professional quality indoor/outdoor couplers and tapoffs covering frequencies up to 1000MHz. These products are available in both an L or T style cases. The variety of loss values offered guarantees that they have the right product for your application. These products feature a durable outdoor rated soldered back, cast housing, which shields against EMI and RFI disturbances.



Order #	Loss(dB)	(1-9)	(10-up)
A. L Style-SCW models			
33-2941	4	\$2.49	\$2.26
33-2946	6	2.49	2.26
33-2951	9	2.49	2.26
33-2956	12	2.49	2.26
33-2961	16	2.49	2.26
33-2966	20	2.49	2.26
33-2967	24	2.49	2.26
33-2968	27	2.49	2.26
33-2969	30	2.49	2.26
B. In-Line Style-SRT models			
33-2971	4	2.49	2.26
33-2976	6	2.49	2.26
33-2981	9	2.49	2.26
33-2986	12	2.49	2.26
33-2991	16	2.49	2.26
33-2996	20	2.49	2.26
33-2997	24	2.49	2.26
33-2998	27	2.49	2.26
33-2999	30	2.49	2.26

Channel Master® Satellite IF Power Dividers

These low cost, yet high performance units have many applications in satellite IF distribution systems. The 2201IFD, 2401IFD and 2801IFD pass DC power from one output to the input (or in the opposite direction). Thus only one receiver supplies LNB power and controls any voltage switched polarization selection. The 2202IFD and 2404IFD pass DC power from all outputs to the input (or in the opposite direction). Thus all receivers can supply LNB power. Care should be taken to ensure the input of a receiver will not be damaged by power from another receiver. Reverse powering protection is provided in many receivers and systems. These splitters are particularly useful where several multi-switches are combined together as there is no 0.8V drop across the diodes as in 2212IFD, 2414IFD and 2818IFD. Channel Master satellite IF multi-switches include reverse powering protection. The 2212IFD, 2414IFD and 2818IFD will pass DC power from any output to the input. There is a 0.8V drop across the diodes which are included to prevent one receiver from passing power back to another receiver. They are particularly useful in CATV headends as the multiple receiver LNB powering provides redundancy against losing LNB signals due to a receiver failure. Unused outputs should be terminated to achieve optimum flatness, return loss and isolation. Channel Master terminators, Model 7184 (DC blocked) and Model 7190 (not DC blocked) are recommended. Bandwidth: 950~2150MHz.



Order #	Mfr. #	Description	(ea.)
Two Way			
33-9320	2201IFD	One port DC pass	\$7.32
33-9325	2202IFD	Two port DC pass	7.32
33-9330	2212IFD	Two port DC pass, diode steer	8.52
Four Way			
33-9335	2401IFD	One port DC pass	12.95
33-9340	2404IFD	Four port DC pass	12.95
33-9345	2414IFD	Four port DC pass, diode steer	14.95
Eight Way			
33-9350	2801IFD	One port DC pass	28.68
33-9355	2818IFD	Eight port DC pass, diode steer	30.00

SATV/CATV



section
14



✓MCR High Frequency Vertical Satellite Splitters

High frequency vertically oriented splitters used for satellite and DSS applications. Power passive to operate in-line amps and multi-switches. Bandwidth: 5MHz~3000MHz.

Fig.	Order #	Description	(1-9)	(10-up)
1 Port Passive				
A	33-10235	2-way	\$5.99	\$5.69
B	33-10236	3-way	7.99	7.59
C	33-10237	4-way	8.99	8.54
D	33-10238	6-way	15.95	15.15
E	33-10239	8-way	16.95	16.10
All Ports Passive				
A	33-10240	2-way	5.99	5.69
B	33-10241	3-way	7.99	7.59
C	33-10242	4-way	8.99	8.54
D	33-10243	6-way	15.95	15.15
E	33-10244	8-way	16.95	16.10



✓MCR Vertical Splitters

- Nickel plated zinc die-cast housing
- RFI shielding
- 2GHz splitters feature one power passive port marked on the splitter

Order #	Description	(1-9)	(10-up)
5-1000MHz			
33-4880	2-way	\$3.02	\$2.59
33-4885	3-way	4.03	3.63
33-4890	4-way	5.04	4.15
33-4895	6-way	6.05	5.19
33-4900	8-way	7.06	6.23
5-2150MHz			
33-7140	2-way	5.99	5.65
33-7150	4-way	9.99	8.99
33-7155	6-way	15.95	13.34
33-7160	8-way	17.95	15.40

Budget High Frequency Splitter

High frequency for use in DSS and satellite installations. One port is DC passive. Bandwidth: 5~2400MHz.



Order #	(1-9)	(10-up)
33-8640	\$2.07	\$2.01

CATV FM Tapoff

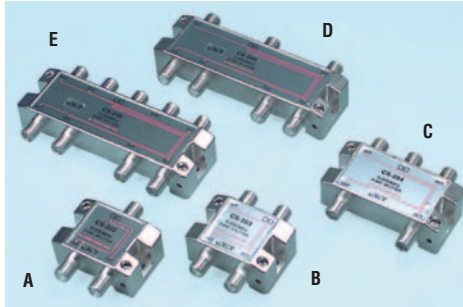
- Zinc die-cast mounting
- Provides connection to stereo tuner for MTV and other FM broadcasts usually available on cable TV lines



Order #	(1-9)	(10-99)	(100-up)
33-350	\$4.49	\$4.02	\$3.53



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 275



✓MCR

High Frequency Horizontal Satellite Splitters

High frequency splitters used for satellite and DSS applications. Power passive to operate in-line amps and multi-switches. Bandwidth: 5MHz~3000MHz.

Fig	Order #	Description	(1-9)	(10-up)
1 Port Passive				
A	33-4350	2-Way	\$6.05	\$5.19
B	33-4355	3-Way	8.07	7.27
C	33-4360	4-Way	8.99	8.23
D	33-4365	6-Way	16.11	15.55
E	33-4370	8-Way	17.12	16.59
All Ports Passive				
A	33-4375	2-Way	6.05	5.19
B	33-4380	3-Way	8.07	7.27
C	33-4385	4-Way	9.21	8.44
D	33-4390	6-Way	16.35	15.78
E	33-4395	8-Way	17.12	16.59

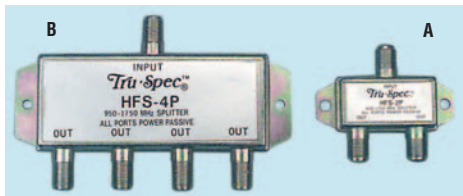


✓MCR

High Frequency RFI Splitters

DirectTV compatible high frequency performance to 3GHz. •Tin-plated zinc die-cast housing with soldered back to achieve RFI -130dB •Waterproof and airtight up to 30 P.S.I. with 4.55mm grounding hole and stainless steel screws •Low thru loss and high isolation with patent pending 360° insert pin. Bandwidth: 5MHz~3000MHz.

Fig	Order #	Description	(ea.)	(2-up)
A	33-10245	2-way	\$2.79	\$2.29
B	33-10246	3-way	3.19	2.79
C	33-10247	4-way	3.79	3.19



High-Frequency Splitters

•Heavy-duty, die-cast design •Power passive •Low thru-loss •950MHz~1750MHz •For use with satellite systems and other high-frequency applications

Fig	Order #	Description	(1-9)	(10-up)
A	33-0035	2-way	\$8.39	\$8.22
B	33-0040	4-way	13.84	13.19

✓MCR Power Passive Splitters

Power passive splitters allow for use of in-line amplifiers and other DC powered devices. For applications to 1000MHz.

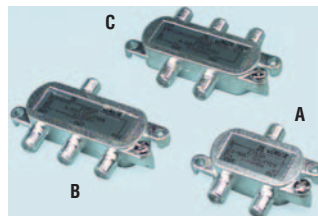
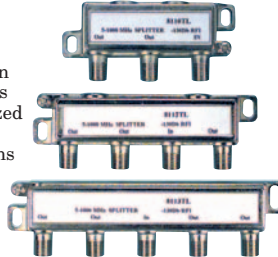


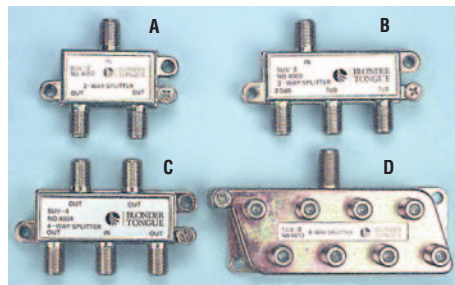
Fig	Order #	Description	(1-9)	(10-up)
A	33-4400	2-way	\$2.51	\$2.07
B	33-4405	3-way	3.02	2.59
C	33-4410	4-way	3.52	3.11

✓MCR In-Line Splitters

The in-line port design of these splitters helps to keep cables organized and makes them perfect for installations in crowded areas. Nickel plated zinc die cast construction. Bandwidth: 5~1000MHz.



Order #	Description	(1-9)	(10-up)
33-4865	2-way	\$3.02	\$2.59
33-4870	3-way	4.03	3.63
33-4875	4-way	5.04	4.67



BLONDER TONGUE Indoor Splitters

Performance to 1000MHz. 2, 3, 4 and 8 way models. Die-cast housing. RF shielding. Mounting tabs and grounding blocks.

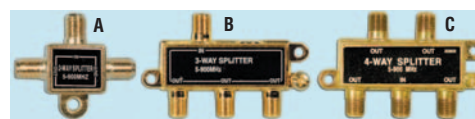
Fig	Order #	Description	(1-9)	(10-up)
A	33-2900	2-way	\$0.89	\$0.81
B	33-2905	3-way	1.99	1.84
C	33-2910	4-way	2.99	2.94
D	33-2915	8-way	5.99	5.86

RCA Digital Splitters

•Two-way and four-way high performance splitters •Gold-plated inputs/outputs •Dual-grounded connections •5MHz to 1GHz •Precision cast body



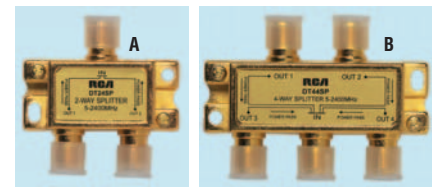
Order #	Description	(ea.)
DT2SP	Two-way	\$4.13
DT4SP	Four-way	6.30



PHILIPS Splitters

•Coaxial connections •Creates signals from one signal source •Useful in connecting picture-in-picture TVs with a cable box

Fig.	Order #	Description	(1-9)
A	M61000	2-way	\$0.99
B	M61001	3-way	1.95
C	M61002	4-way	2.19



RCA 2.4GHz Bi-Directional Splitters

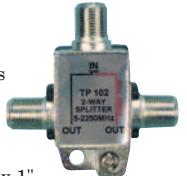
•High-grade circuitry allows the connection of components with minimal signal loss •Maximum transfer of all your RF signals including higher digital frequencies means quality reception and excellent picture output •Splits a 75Ω coaxial signal from cable TV, an antenna or a VCR for connection to two TVs/VCRs •Frequency: 5MHz~2.4GHz •Gold-plated input/outputs for reliable connectivity •Dual-grounded connections •Precision cast body

Fig.	Order #	Description	(ea.)
A	DT24SP	2-way	\$7.69
B	DT44SP	4-way	10.95

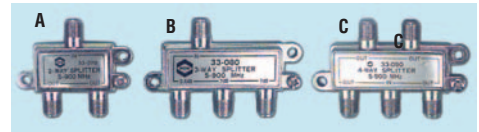
✓MCR

Mini Hi-Frequency Splitter

Mini hi-frequency splitter saves space in confined areas. DC passive one port. Attached plastic cable channel provides neat installations. Bandwidth: 5~2250MHz. Measures: 2" x 2" x 1" (port to port).



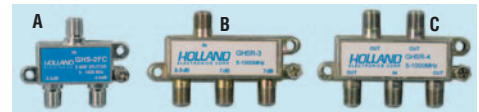
Order #	(1-9)	(10-up)
33-4860	\$5.04	\$4.67



Weatherproof Zinc Die-Cast Splitters

•High-quality, zinc die-cast that features anti-corrosion plating •Power passive •Precision threads •UHF/VHF/FM •5~900MHz

Fig.	Order #	Description	(1-9)	(10-99)	(100-up)
A	33-070	2-way	\$1.79	\$1.44	\$1.24
A	33-0055	2-way gold plated	2.09	1.81	1.65
B	33-080	3-way	2.39	-	-
C	33-090	4-way	1.11	1.04	0.94



RFI Splitters

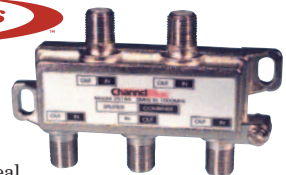
•For use in applications where additional shielding is needed •100dB case design exceeds FCC requirements for RF shielding •25% more zinc content than standard splitters •Case thickness increased by 50% to obtain very good RFI performance •Mounting tabs with screws and grounding block •5MHz~1000MHz frequency response

Fig.	Order #	Type	(1-9)	(10-up)
A	33-2130	2-way	\$2.11	\$1.86
B	33-2135	3-way	2.92	2.48
C	33-2140	4-way	3.42	3.01

CHANNELPLUS

Splitter/Combiner

The Channel Plus bi-directional splitter/combiners provide a 1GHz bandwidth and are ideal for antenna and coaxial cable operations. It can be used to split a signal from a source or combine signals from multiple sources onto one coax run.



Order #	Description	Insertion Loss	DC & IR Passing	(ea.)
2512	2-way	3.5 dB	Yes	\$4.75
2514	4-way	8.0 dB	Yes	7.00
2538	8-way	12.0 dB	No	9.75

TERK Technologies Diplexer

Combines and separates your DBS satellite and off-air signals. TERK diplexers deliver sharper cut-off frequencies, lower signal loss and better impedance matching. Low quality diplexers can cause signal loss and poor picture quality. High quality die-cast aluminum housing.

Specifications: Frequency response: 54~2150MHz. Impedance: 75ohm. Insertion loss: Antenna, 1dB, Satellite, 2dB. Return loss: 10dB. Isolation: Antenna, 40dB, Satellite, 40dB. Mfr. #BDS-21BP.



Order #	(ea.)
33-7235	\$14.95

Satellite Diplexer

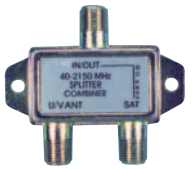
- Zinc die-cast housing
- RFI shielding
- Power passive satellite port
- Includes grounding screw
- Bandwidth: 40~2150MHz



Order #	(1-9)	(10-up)
33-8620	\$2.59	\$2.07

✓MCR Budget Diplexer

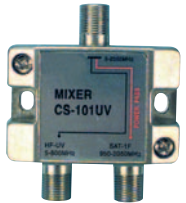
Zinc plated die cast diplexer to combine off air television signals with satellite for ease of system installation. Power passive one port. Bandwidth: 40~2150MHz.



Order #	(1-9)	(10-up)
33-4810	\$2.99	\$2.56

✓MCR Diplexer

Combine off air television signals with satellite for ease of system installation. Power passive one port. Bandwidth: 5~800MHz/950~2050MHz.



Order #	Description	(1-9)	(10-up)
33-4805	Commercial Grade	\$10.09	\$9.35
33-4800	High Performance	6.99	6.17

Tru-Spec VHF/UHF/Satellite Diplexer-Mixer

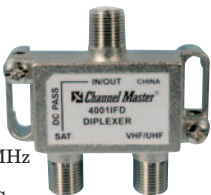
The TSDM-2150 is a compact television antenna satellite diplexer/combiner used in applications that require satellite I.F. distribution from 950~2150MHz. The TSDM-2150 uses a rugged case that allows for outdoor use. **Specifications:** •Frequency range: Satellite: 950~2150MHz, television antenna: 40~860MHz •Connectors: "F" type •EMI performance: >80dB



Order #	(1-9)	(10-49)	(50-up)
33-2710	\$4.99	\$4.79	\$4.49

Channel Master Satellite Diplexers

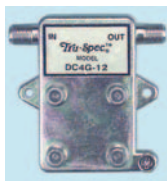
The 4001IFD and 4002IFD diplexers are used for separating or combining satellite signals at 950~2150MHz with VHF/UHF signals at 54~806MHz. In addition, a DC power pass is provided from the satellite port to the common in order to pass satellite receiver LNB voltage. The 4001IFD is Channel Master's standard performance diplexer. The 4002IFD offers higher performance (much greater stopband rejection) necessary when combining satellite and VHF/UHF signals on to one cable because LNB noise extends down into the UHF spectrum and can degrade UHF TV reception if not adequately filtered out before connection to the distribution cable.



Order #	Mfr. #	(ea.)
33-9415	4001IFD	\$9.00
33-9420	4002IFD	17.88

Tru-Spec Four-Way Couplers

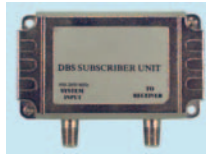
- For indoor and outdoor use
- RF shielding exceeds FCC specifications
- Maintains 75ohm impedance on trunk
- Full 5MHz~900MHz operational range
- Use 75ohm terminator on last trunk output (MCM #33-550)



Order #	Description	(1-9)	(10-49)	(50-up)
33-1425	16dB	\$6.25	\$5.92	\$5.40
33-1430	20dB	6.25	5.92	5.40
33-1435	24dB	6.25	5.92	5.40

✓MCR LNB Stacking Convertors

Stacking convertors are designed to allow two LNB signals to share the same coax. This allows you to have all programming (110° and 119°) at the receiver without running additional cables. Down-converts the signal at the receiver (not necessary with Sony wide-band receivers).



Order #	Description	(1-9)	(10-up)
33-7135	Down-convertor	\$89.95	\$79.95

✓MCR DISHNetwork Block Switch

Use with next generation DBS dishes for DISHNetwork and DirectTV to switch between programming on two LNBs. Controlled by the DISHNetwork receiver.



Order #	(1-4)
33-6915	\$30.29

Fixed Mini-Types

- Nickel plated solid brass body
- Monolithic ceramic printed circuit board, ensuring rugged construction
- Bandwidth: 5KHz~950MHz
- Not DC passive
- 5% accuracy
- 22 gauge steel center pin
- Small: 1 1/8" size
- "F" type female to male
- 75ohm
- Three attenuators to choose from
- Sorry--no mixing of values for quantity pricing.



Order #	dB	(1-9)	(10-49)	(50-up)
33-790	3	\$3.09	\$2.68	\$1.77
33-795	6	3.19	2.77	1.84
33-810	12	3.19	2.78	1.84

75ohm In-Line

- 6dB attenuation
- 5~900MHz frequency.



Order #	(1-9)	(10-49)	(50-up)
33-560	\$2.79	\$2.37	\$2.24

Tru-Spec Fixed Mini-Type Attenuator Pads

Features: Nickel-plated, solid brass body, monolithic ceramic printed circuit board, ensuring rugged construction, etched glaze-type resistors provide ±5% accuracy and excellent return loss, small 1.375" size, 22-gauge spring steel center pin, female to male fitting, not DC passive. **Specifications:** •Bandwidth: 100KHz~1750MHz •Return loss: 20dB typical •Accuracy: ±5%



Order #	Description	(1-9)	(10-up)
33-2750	3dB	\$1.30	\$1.03
33-2755	6dB	1.30	1.03
33-2760	8dB	1.30	1.03
33-2765	10dB	1.30	1.03
33-2770	12dB	1.69	1.34
33-2775	16dB	1.30	1.03
33-2780	20dB	1.30	1.03

SATV/CATV



section
14



WINEGARD Portable/Remote Digital Satellite System

- Lightweight, easy to set up and ready to go
- Bases are completely and permanently assembled
- Base has built in level and compass
- Convenient handle for carrying and 25' of cable permanently stored in the bottom of the base
- Perfect for camping, fishing trips, tailgating and picnics

Order #	(ea.)
RD-9046	\$171.69

Portable Satellite Antenna System

This portable satellite antenna system is no bigger than a briefcase. Enjoy your DSS system in your RV, on your boat, while camping or anywhere you desire. Multiple installation options for mounting on a wall, balcony rail, pole, table and the suction cup makes mounting a breeze. **Includes:** Dish antenna, LNB, "C" clamp, suction stand, carry case and RG-6 cable.



Order #	(ea.)
33-4690	\$109.00

High Performance LNB

DBS LNB for use with digital satellite system dishes with rectangular shaped tubes. Designed to work with "D" shaped tubes as well. Perfect low cost replacement for damaged LNBs.



Order #	Description	(ea.)
33-7435	Dual LNB	\$34.95

Channel Master High Frequency Attenuators

General purpose wide band in-line attenuators to prevent excess signal overloading of an amplifier or receiver. For ease of installation one end is male the opposite is female. Units are power passive. Bandwidth: 40~2150MHz.



Order #	Mfr. #	Description	(ea.)
33-9570	2806IFD	6dB	\$6.31
33-9575	2810IFD	10dB	6.31



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NEW

DIRECTV® Standard Receiver

With the DIRECTV® D11 receiver, you can access over 250 digital-quality channels, plus access interactive capabilities and a customizable on-screen program guide. Explore and personalize all your viewing options quickly and easily with the included remote control. **Features:** •Interactive features include Mix Channels, DirecTV Active, and MiniGuide •Parental controls to set rating restrictions and spending limits •Programming options like CHOICE, DirecTV Spanish, XM satellite radio and pay per view movie and event channels **Includes:** •Access card •Remote controls and batteries •A/V and S-video cables •Phone and power cords •User guide (DIRECTV® service and installation not included) •Mfr. #D12-300

Order #	(ea.)
33-7701	\$89.95



NEW

DIRECTV® R15 Receiver Plus DVR

The DIRECTV Plus™ DVR receiver lets you record up to 100 hours of programs, and pause or control live TV. With the R15 receiver you can automatically record an entire season of your favorite shows, find and record programs by title, actor, or director, listen to theater-quality Dolby Digital sound, and schedule recording up to 14 days in advance. **Includes:** •Access card •Remote controls and batteries •A/V and S-video cables •Phone and power cords •User guide (DIRECTV® service and installation not included) •Mfr. #R15

Order #	(ea.)
33-7702	\$139.00



NEW

DIRECTV® International Dish

With special LNBs designed specifically for DIRECTV® worldDIRECT programming, this dish is equipped with linear and dual LNBs for simultaneous reception of the 95° west and 101° west international programming satellites. An optional multi-switch is required to bring in both satellites. **Features:** •Two outputs on the 95° and two on the 101° •Includes dish, LNBs, arm, and mount. Dish surface dimensions: 24" (H) x 36" (W).

Order #	(ea.)
33-10415	\$99.00



NEW

DIRECTV® H20 High Definition Receiver

With the DIRECTV® H20 receiver, you can access over 225 digital-quality audio and video channels from DIRECTV® in both high definition and standard definition, plus you can connect an off-air antenna to access free over-the-air local HD broadcasting. **Features:** •Versatile HDTV connection options include HDMI digital audio/video and component video, as well as standard composite video and RCA audio •1080i picture output resolution formats •Dolby Digital 5.1 surround sound capable •MPEG-4 AVC capable **Includes:** •Access card •B-band converter •Remote control and batteries •Component, S-video, and standard A/V cables •Phone and power cords •User guide (DIRECTV® service and installation not included) •Mfr. #H20

Order #	(ea.)
33-7703	\$129.00



NEW

DIRECTV® HR20 High Definition Receiver with DVR

The DIRECTV® HR20 receiver is feature-packed with state-of-the-art video and audio technology. Get up to 1080i resolution for HD TVs, HDMI and component video outputs, and an optical audio output for Dolby Digital 5.1 technology. Access both DIRECTV® programming and off-air ATSC digital broadcasts, and record up to 30 hours of DIRECTV® HD programming, or up to 200 hours of standard programming on the 250Gb hard drive. **Features:** •Four tuners; Two satellite receiver inputs, two off-air ATSC HD tuners •Versatile HDTV connection options include HDMI digital audio/video and component video, as well as, standard S-video, composite video, digital optical and stereo audio •MPEG-2 and MPEG-4 enabled. **Includes:** •Access card •B-band converter •Remote control and batteries •Component, S-video, and standard A/V cables •Phone and power cords •User guide (DIRECTV® service and installation not included) •Mfr. #HR20.

Order #	(ea.)
33-7704	\$329.00



NEW

DIRECTV® Ka/Ku Dish for HD Programming

The latest in satellite dish antennas, this dish is specifically designed for use with DIRECTV® HR20 and H20 high definition receivers. Capable of MPEG-4 compression, the dish has three LNBs to receive 101°, 110°, and 119° satellites, plus one to receive the new KA satellite (99° and 103°) for local HD programming (where available). **Features:** •Four outputs carry satellite signal from all five satellites •Heavy-duty j-mount with 2" outer diameter mast opening •LNB arm with LNBs attached extends 23.5" from dish surface area. Includes dish, j-mount mast, LNBs, arm and pole attachment. Dish surface dimensions: 25.5" (H) x 29.5" (W).

Order #	Description	(ea.)
33-10410	Ka/Ku Dish	\$139.00
33-10411	Short wall mount brace	14.95
33-10412	Long wall mount brace	14.95

TERK® TECHNOLOGIES® 18" x 20" DIRECTV® Multi-Satellite Dish Antenna

The TERK TRK-S26 is a DIRECTV Multi-Satellite Dish Antenna that will help you get the most out of your DIRECTV® programming. It provides three integrated LNBs so you can receive all available DIRECTV® programs, including HDTV and DIRECTV PARA TODOST M programming. In addition, it saves you money by eliminating additional hardware installation that you would need to receive these services. The TRK-S26 features four identical outputs letting you connect up to four receivers for a household system, and its compact size makes it an ideal choice to use with RVs and motor homes. A DIRECTV approved antenna is a necessity if you are looking to receive the best from DIRECTV® service. TERK's TRK-S25 Multi-Beam Dish is a high-performance solution for receiving the best quality signal. It combines ease of installation with versatility, quality and performance. Its 18" x 20" size makes it easy to maneuver and its triple-head LNB, with built-in multi-switch, are completely integrated, making installation easier. The TRK-S26 can also be installed faster with its refined and improved mounting system and its three-way tilt, for easier rotation.

Order #	Mfr. #	(1-5)
33-9670	TRK-S26	\$94.95

PERFECT 10™ Sure Shot Dish

Exclusive "perfect curve" manufacturing process maintains a precise surface tolerance, which allows maximum signal reflectivity and gain for the best possible reception. These antennas are built heavier and stronger than competitive models. Able to withstand up to 120 mph wind gusts, these power-coated galvanized steel antennas are backed by a lifetime warranty. Dish includes mount and mounting hardware, LNB not included.

Order #	Size	(ea.)
33-2615	24"	\$72.67

PERFECT 10™ Hot Shot Peel-N-Stick

Retrofit your DSS dish with a Hot Shot Peel-N-Stick de-icing system. The Hot Shot fits all 18" dishes, installs fast and easy and solves snow and ice problems.

Order #	(ea.)	(2-4)	(5-up)
33-3230	\$119.00	\$114.00	\$107.00

DBS Antennas

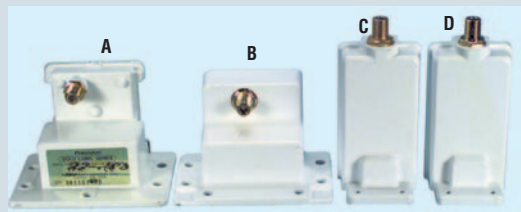
Help eliminate the effects of rain fade and low signal levels with larger DBS antennas. Gray powder coated finish helps the antennas stand up to weather. LNB not included.

Order #	Diameter	Gain	(ea.)
33-4925	30"	38.4dB	\$69.95
33-4930	36"	39.8dB	126.99

Precision C and Ku Band LNBs

"C" and "Ku" band LNBs for use with "C" band antennas. Professional feedhorns and commercial grade LNBs assure high performance with low noise. Input and output frequencies are in GHz.

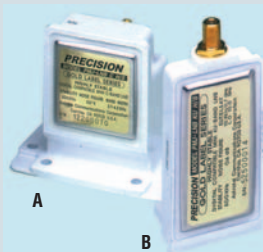
Fig.	Order #	Noise Band	Input Figure	Output Freq.	Freq.	(ea.)
A	33-4695	C	17K	3.7-4.2	.950-1.45	\$24.95
B	33-4700	C	15K	3.4-4.2	.950-1.45	\$4.95
C	33-4705	Ku	0.6	11.7-12.2	.950-2000	\$32.27
D	33-4710	Ku	0.5	11.7-12.2	.950-2000	\$38.95



ASTROTEL High Stability C and Ku Band LNBs

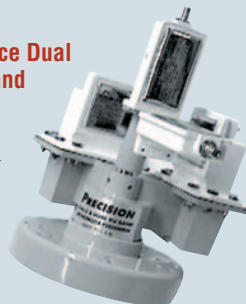
High stability "C" and "Ku" band LNBs for use with "C" band antennas. Professional feedhorns and commercial grade LNBs assure high performance with low noise. Input and output frequencies are in GHz.

Fig.	Order #	Noise Band	Input Figure	Output Freq.	Freq.	(ea.)
A	33-6805	C	20K	3.7-4.2	.950-1.45	\$88.89
B	33-6810	Ku	0.6	11.7-12.2	.950-1.45	\$8.89

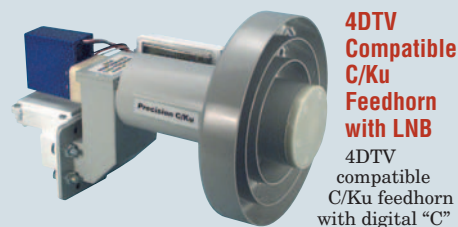


ASTROTEL High Performance Dual "C" Band/Ku-Band Feedhorn

High performance dual "C" band and wideband dual KU-band in one ortho-mode feedhorn. This precision feedhorn incorporates the latest ortho-mode technology. It offers wideband reception on the Ku and adjustable scalar ring with two sets of mounting holes. **Specifications:** "C" band two port: frequency: 3.7-4.2GHz, isolation: 35dB. "Ku" band two port: Frequency: 10.95-12.75GHz, isolation: 25dB. **Note:** LBNs not included. Mfr. #PM-C/KU-OR-2+2.



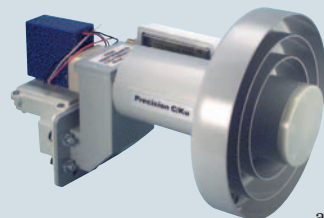
Order #	(ea.)
33-6825	\$199.00



4DTV Compatible C/Ku Feedhorn with LNB

band and "Ku" band LNBs. This feedhorn allows for digital satellite viewing of both formats from one "C" band satellite dish. **Specifications:** (C-Band) Input frequency: 3.7-4.2GHz. Polarization: Linear, 3 wire servo type. Output frequency: .950-1450GHz. Noise figure: 20°K. (Ku Band) Input frequency: 10.95-12.5GHz. Polarization: Linear, three wire servo type. Output frequency: .950-1450GHz. Noise figure: .6dB max.

Order #	(ea.)
33-4720	\$185.00



C/Ku Band Feedhorn

satellite viewing of both formats from one "C" band satellite. **Specifications:** (C-Band) Input frequency: 3.7-4.2GHz. Polarization: Linear, 3 wire servo type. Output frequency: .950-1450GHz. Noise figure: 20°K. (Ku Band) Input frequency: 10.95-12.5GHz. Polarization: Linear, three wire servo type. Output frequency: .950-1450GHz. Noise figure: .6dB max.

Order #	(ea.)
33-4715	\$190.00

SPAUN//USA Compact Multi-Switches

Easily connect 6 to 8 receivers to a dual LNB. Off-air input for local antenna or CATV broadband input (return path compatible). Output filter keeps intermodulation and noise from interfering with off-air signal. Active switch design draws no more current than passive switches.

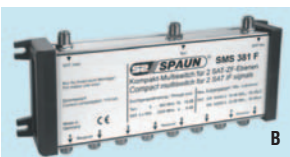
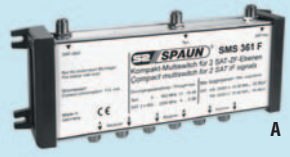


Fig.	Order #	Mfr. #	Description	(ea.)	(2-4)
A	33-7275	SMS361F	3 x 6	\$94.95	\$90.95
B	33-7280	SMS381F	3 x 8	134.95	119.43



SPAUN//USA Duo-Sat Cascadable Multi-Switch

Duo-sat multi-switch cascadable to use in large multi-receiver 8 receiver outputs per multi-switch. Designed for use with Dishnetwork and DSS HD and Plus receivers to receive high-definition programming and local to local broadcasts. Polarity is selected by remote voltage and 22KHz signal provided by the receiver. Must be used with system amplifier SBK5500NF that provides system power.

Order #	Mfr. #	Outputs	(ea.)	(2-4)
33-7365	SMK5581F	8	\$319.95	\$308.03



SPAUN//USA Duo-Sat Amplifier

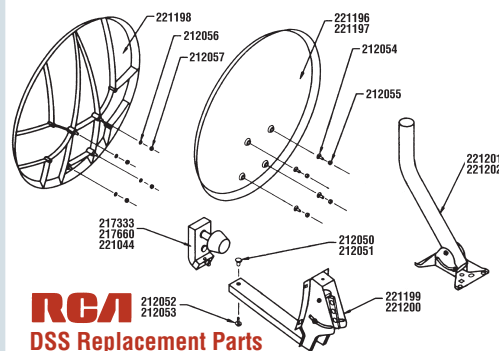
Duo-Sat amplifiers have inputs for two dual LNBs and off air antenna. The SBK5500NF is a system amplifier with -10dB gain adjust for both LNB inputs. The system amplifier provides system power to operate downstream post-stage amplifiers. Duo-sat amplifiers maintain the signal integrity throughout the entire system.

Order #	Mfr. #	(ea.)	(2-4)
33-7348	SBK5500NF	\$549.95	\$541.57

SATV/CATV



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RCA DSS Replacement Parts

MCM is an authorized distributor for replacement DSS parts. You can order original DSS replacement parts, components and support accessories. Listed below are some popular DSS parts. If you don't find the part you need, call our sales staff for assistance.

Order #	Description	(ea.)
246492	LNB, dual, light gray	\$90.18
221203	Hardware kit, nut, bolt and washer assortment	26.29
RC926	Wireless phone jack	54.95
D6706	72" antenna pole	16.83



RCA Dual LNB

Original OEM quality LNB manufactured in Japan. Light gray.

Order #	(ea.)
246492	\$90.18



SPAUN//USA Satellite IF Amplifiers

For use in cascaded satellite systems these amplifiers maintain signal integrity throughout a large system. SBK3203NF provides power to the system and acts as a launch amplifier and combines the local antenna signal with the satellite IF. Post stage amplifiers NVF220SR (dual amplifier) and NVF110F (single amplifier) are powered over the coax cable and operate in the 47-862MHz and 950-2200MHz frequency bands. The SVF128F operates in the 950-2200MHz band and offers -10dB adjustable gain. NVS126F operates in the 47-862 and 950-2200MHz bands and offers individual -10dB gain adjustment for both bands.

Fig.	Order #	Mfr. #	(ea.)
A	33-7330	SBK3203NF	\$349.95
B	33-7340	SVF128F	109.95
C	33-7345	NVS126F	239.95



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 279

NEW

TERK TECHNOLOGIES Wide Band 6 x 16 Multi-Switch

Expand your current DIRECTV or other satellite dish to 16 outputs with this weatherproof 6 x 16 multi-switch. Ideal for larger homes, this six-input wideband unit supports up to 16 independently operating receivers or digital video recorders, so every room in your house will be able to enjoy quality satellite entertainment independently. Supports the 2-LNB TRK-S2 dish, the 3-LNB TRK-S26 dish, and the 5-LNB Ka/Ku dish which is designed to support the latest DIRECTV A3/MPEG 4-capable HD receivers. **Features:** •Six satellite inputs; four inputs for the traditional 101°/110°/119°W LNBs, and for the two additional Ka LNBs for 99°W and 103°W. •Two additional FlexPort inputs commonly used to interface additional DIRECTV satellites at locations such as 72.5°W and 95°W. **Specifications:** •Input frequency range: 250~2150MHz •Output frequency range: 250~2150MHz (each output) •Insertion loss: -7dB (min.) •Cross polar isolation: 30dB min. •Current consumption: 250mA (typical) 300mA (max.) •Power adaptor: 100~240VAC 50~60Hz input; 21VDC, 1.5A output •22KHz tone output: 22 ± 4 KHz continuous, 650 ±300mV p-p (power adaptor included).

Order #	(ea.)
33-10300	\$189.00



Channel Master® Satellite Distribution Multi-Switches

Channel Master® multi-switches are used to provide satellite signals of either RHCP or LHCP polarization from one dish at four or eight locations. In addition, when required, they provide terrestrial VHF/UHF signals multiplexed on the same coaxial cable. At the customer outlet, the satellite signals are separated from the VHF/UHF signals with a diplexer such as model 4001IFD. Model 6214IFD and Model 6228IFD combine VHF/UHF (54~806MHz) signals with satellite IF signals on one cable to provide up to eight independently switchable wideband outputs. Passive VHF/UHF processing allows complete flexibility for VHF/UHF amplification. Models 6314IFD and 6328IFD amplify VHF/UHF (54~806MHz) signals and combine them with satellite IF signals on one cable to provide up to eight independently switchable wideband outputs. They should be used when all desired VHF/UHF terrestrial TV signals can be received at comparable levels from a stationary antenna or antenna system.

Order #	Mfr. #	Description	Amplified Terr.	(ea.)
33-9490	6214IFD	3 x 4	No	\$81.36
33-9495	6314IFD	3 x 4	Yes	79.95
33-9500	6228IFD	3 x 8	No	139.00
33-9505	6328IFD	3 x 8	Yes	179.00



TERK TECHNOLOGIES 5 x 8 Integrated Multi-Switch

The BMS-58 allows up to eight satellite television receiver connections to a single multi-satellite dish and provides an additional off air antenna/cable input to integrate all television options. With the Terk BMS-58 multi-switch you can install a home theater multiplex in no time by connecting up to eight receivers with ease. There is no need to remove integrated multi-switches already embedded in the satellite dish. Simply connect the two SatA and SatB cables to the BMS-58 and run to the receivers. The BMS-58 has an ultra-low noise built-in amplifier to eliminate signal loss and deliver the best possible reception to every TV. The TERK BMS-58 is designed to be waterproof making it rugged, durable and easy to install. Mfr. #BMS-58.

Order #	(ea.)
33-9665	\$74.95

✓MCR HDTV Compatible 5 x 8 Multi-Switch

Expand and distribute your DirecTV satellite signal from any phase II or phase III, 18" x 24" antennas, to up to eight rooms. Also capable of combining off-air or cable TV with satellite signals. Ideal for dual tuner DVRs. **Features:** •Four satellite inputs and one terrestrial TV input for up to eight satellite receivers •Built-in amplifier to overcome splitter loss •Two dual LNB selectable by 13/18VDC or 22KHz tone •Matrix routes between any inputs to any outputs •Rugged, weatherproof outdoor housing •Bandwidth: 5MHz~2150MHz •Power: 24VAC power supply included.

Order #	(ea.)
33-10250	\$119.00



Satellite Multi-Switches

3 x 4 multi-switch combines local television or cable television signal with satellite signal for distribution to four satellite receivers. Line powered by the receiver's LNB voltage. Zinc die cast housing.

Specifications: Satellite: 950~2150MHz. Terrestrial: 47~862MHz. Current: 60mA.

Order #	(1-9)	(10-up)
33-8625	\$20.76	\$19.24



✓MCR Satellite Multi-Switch

Use multiple satellite receivers with one satellite antenna with a dual LNB. The multi-switch combines UHF and VHF with the satellite signal to transmit them on one coax. These multi-switches rely on power from the receiver for operation.

Order #	Description	(1-9)	(10-up)
33-4415	4 way	\$54.95	\$49.95
33-4425	8 way (w/o DC jack)	99.95	92.65



5 x 12 Multi-Satellite Multi-Switch

Four satellite IF and one terrestrial TV input to 12 outputs to satellite receivers. Built-in satellite IF amplifier compensates for splitter loss. LNB selection by 14/18VDC and 22KHz tone provided by equipped receivers. Built-in power supply provides power for operation, amplification and operation of the LNBs.

Order #	(1-9)	(10-up)
33-8690	\$79.95	\$77.95



PERFECT 10™ 16 Way Magic Switch

The Magic Switch allows use of multiple receivers and televisions with one dish and a dual LNB. The Magic Switch combines UHF/VHF and satellite on one coax cable and supplies both polarities at each receiver. Magic Switch does not combine UHF/VHF with satellite signals. Magic Switch can be line powered by satellite receiver or externally powered adaptor (not included).

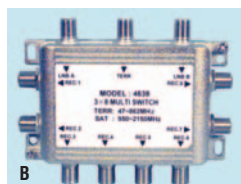
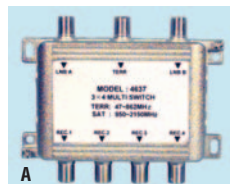
Order #	(ea.)	(2-4)	(5-up)
33-3245	\$360.00	\$350.00	\$329.00



Satellite Multi-Switches

•Designed for satellite installations in condominiums, apartment complexes, hotels and institutions •Only one satellite dish is needed, with the cascaded multi-switches control voltages are passed from one multi-switch to the next •Four inputs for multi-satellite (18" x 24") DSS dishes •Switches polarization by 14/18VDC and switches satellites by 22KHz tone •Line powered via switching voltage supplied by the DSS receiver •Terrestrial input for local antenna or cable television, requires a diplexer for satellite/terrestrial signal separation

Fig.	Order #	Description	(1-9)	(10-up)
A	33-8655	5 x 4 multi-switch	\$24.95	\$22.00
Cascadable Multi-Switches				
B	33-8660	5 x 4 multi-switch	24.95	22.00
C	33-8665	5 x 6 multi-switch	19.99	-



Compact Multi-Switches

Half the size of comparable multi-switches measuring only 4 1/2" x 3 1/2". Half the current consumption of comparable multi-switches to operate effortlessly from the receiver's line voltage. Built-in satellite IF amplifier. Die cast aluminum body and precision die-cut "T" connectors.

Fig.	Order #	Description	(1-9)	(10-up)
A	33-8680	3 x 4	\$14.95	\$13.55
B	33-8685	3 x 8	19.95	18.55

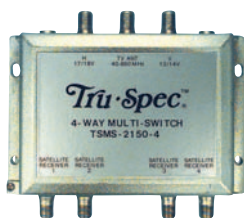
Tru-Spec

Satellite I.F. Multi-Switch

The TSMS-2150 is a satellite multi-switch used in all applications that require satellite I.F. distribution from 950~2150MHz.

Intended for consumer use, it will allow the residential user to take two LNB inputs plus an RF input (40~860MHz) and provide four outputs. The TSMS-2150 will route any of the inputs to any of the outputs by utilizing the 14V/18V switching control from the satellite receivers. To compensate for insertion loss, it utilizes a built-in amplifier.

Specifications: •LNB input frequency: 950~2150MHz •TV antenna •Input frequency: 40~860MHz •Output frequency: Satellite: 950~2150MHz, television antenna: 40~860MHz •Insertion loss: 950~2150MHz -5dB typical, 40~860MHz -4dB typical •Isolation: Horizon/vertical -25dB, Output to output -14dB •DC passing capacity: LNB 1 and 2: 550mA, VHF/UHF: None •Connectors: "F" type



Order #	(1-9)	(10-up)
33-2715	\$58.75	\$51.50

✓MCR 3 x 8 Cascading Multi-Switch

Installations throughout condominiums, apartment complexes, hotels and institutions can share one dual LNB satellite antenna.

Cascading multi-switches pass the DC control voltage and satellite signals from one multi-switch to the next. External power supply powers the built-in amplifier. An indoor diplexer (sold separately) separates the combined satellite and antenna signal at the receiver.



Order #	Description	(1-9)	(10-up)
33-7080	3 x 8 multi-switch	\$109.00	\$101.97
33-7085	Power supply	18.95	15.40



Satellite Finder Kit

The satellite finder kit makes aligning a dish simple and easy. The satellite finder attaches to the output of the LNB or LNA and supplies power to the LNB/LNA via the battery holder, or hook the finder in-line with the receiver. Works with C or K band satellites and DSS/DBS. **Specifications:** Frequency range: 950~1550MHz, power supply: 12~18VDC, 60mA, input sensitivity: 62~80dB, impedance: 75ohm. **Kit includes:** •Satellite finder, compass, RF jumper cable and battery holder all in a vinyl carry case •Use #27-1335 battery pack for DSS applications

Order #	(kit)
33-1975	\$49.99

Sat-Finder Satellite Meter

The Sat-Finder makes it easy to find maximum satellite signal. Simply connect between the satellite receiver and the LNB to precisely align the dish in seconds. The Sat-Finder has a faster response time than the receiver's signal strength meter for more precise adjustments.



Order #	(1-9)	(10-49)	(50-up)
33-7725	\$24.95	\$24.50	\$23.75



PERFECT 10™ AcuTrac® 22 Digital Satellite Signal Level Meters

The AcuTrac® 22 allows an installer to easily align a multi-feed system by displaying LNB A and LNB B signal strength measurement levels simultaneously. The AcuTrac™ 22 features include: LCD display, selectable audio on-off tone, receiver voltage output, individual LNB current consumption, 22KHz tone and coax cable test. **AcuTracPro includes:** Rechargeable battery pack, leather case and AC/DC chargers.

Order #	Mfr. #	(ea.)
33-7391	Acutracc22	\$109.00
33-7395	AcutraccPro	189.00

PERFECT 10™ Satellite Meter

Use for easy installation of satellite receiver dishes. The satellite meter operates on the power from the receiver to LNB. Easy to read digital LCD display with full text graphics menu and built-in audio tone to aid in installation. Connect to single, dual or Phase III LNB, DishPro, or quad. Coax jumper cable not included (MCM #32-580).



Order #	(ea.)
33-10035	\$119.00

PERFECT 10™ Satlook Spectrum Analyzer

Perfect 10 Satlook is a measuring instrument developed for exact alignment and adjustment of satellite dishes. The instrument features a 4 1/2" B/W monitor which either shows normal TV channel or the frequency spectrum 950~2150MHz. Detection of satellite signals is made easy. Spectrum mode and the spectrum can be expanded for correct adjustment of the polarization. Switching between spectrum/TV mode is made easy by the push of a button. LNB polarization is switchable, 13V/18V and indicated by an LED. The instrument is short circuit protected when connecting the LNB. Power is supplied by a built-in rechargeable battery and is recharged from the external battery charger or the car adaptor. Charging of the battery is supervised by a microprocessor which senses when the charging of the battery is maximized. Charging is indicated with "CH" on the two digit LED display.



Order #	(ea.)
33-3255	\$823.00

Suunto Tandem Inclinator/Compass

The Suunto Tandem is two precision satellite tools in one. Slope/height (inclinator) measurements are easily done through the sight to alert you to possible obstructions. Accurate satellite bearings can be found with the liquid filled precision compass. Mfr. #PVCOMAF.



Order #	(ea.)
33-7420	\$199.00

Compass

Economical compass for easily identifying satellite positions. Small size fits in the palm of your hand. Top closes to protect surface from scratches.

Specifications: •Directional accuracy: ±5° •Direction indication: 2°/scale •Dimensions: 72mm x 55mm x 30mm



Order #	(ea.)	(2-10)	(11-up)
33-2050	\$5.34	\$4.87	\$3.81

SATV/CATV



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CHANNEL VISION™ RF/Satellite Meter

This hand held CATV/satellite meter has been designed for the technician to make quick and accurate signal strength measurements for both CATV and satellite. This powerful, simple to use tool measures frequencies from 25MHz~1550MHz. •Measures satellite from DirecTV, Dish-Network, CATV and broadcast signal strength •Two rows of ten easy-to-read indicator lights •Hand held design, great for use with HDTV •Includes 22KHz tone generator for use with dual satellite systems •Requires 9V battery (included)



Order #	Mfr. #	(1-9)	(10-up)
33-9695	M200	\$449.00	\$410.97



Channel Master® Satellite Signal Level Meters

The 1004IFD, 1007IFD and 1008IFD are intended to aid in the alignment of a satellite dish. They include satellite IF (950~2150MHz) amplification and a broadband detector. The detector drives a meter and a variable frequency audio tone. The dish is then aligned for maximum meter deflection or highest pitch tone. A gain control allows a wide range of input signal levels. The units are connected to the LNB via a short coaxial cable. The 1004IFD output must be connected to the satellite receiver in order to supply power. The units operate from 11~24VDC on the coaxial cable. Connection to the receiver is optional with the 1007IFD and 1008IFD but extends battery life between charges. All models allow measurement of voltage on the coaxial cable. The 1007IFD and 1008IFD will also measure LNB current. The 1007IFD and 1008IFD includes an internal rechargeable battery pack, carrying strap and a wall plug recharging unit. The internal battery pack allows a dish to be aligned before it is connected to the satellite receiver. The battery pack is switchable between 13 and 18V output, allowing either polarization to be selected when used with a voltage switched LNB. In US DBS applications, LHCP is selected when the LNB voltage is nominally 17V.

Order #	Mfr. #	(ea.)
33-9295	1004IFD	\$105.48
33-9300	1007IFD	263.64
33-9305	1008IFD	348.00

Satellite Dish Level

Attaches to the dish support to quickly tell if the dish is plumb and level. Mfr. #PVLEV1.

Order #	(ea.)
33-7425	\$2.99



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960

281



Antenna Rotator with Memory and Remote Control

The remote controlled antenna rotator with 12 position memory is ideally suited for use in today's home theater systems. Micro-processor control allows for up to 12 memory positions to be stored. Dual display shows both direction and memory position. Uses standard three conductor rotator wire (#24-3080).

Order #	(ea.)
30-1101	\$79.95



Economical Antenna Rotator

Our economical antenna rotator helps improve TV and FM reception. Two piece connects via three wire rotator cable. Adjustable clamp accommodates mast up to 1 1/2".

Order #	(ea.)
30-1100	\$59.95

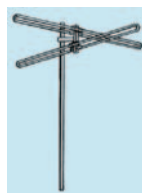


antennacraft Antenna Rotator

- Heavy-duty motor handles large antennas
- Extra strong machine cut gears won't bind
- Brake pads hold firm
- Tested to 70 mph winds

• Requires three-wire rotator wire (#24-3080)

Order #	(ea.)
30-1020	\$74.95



FM Turnstyle Antenna

- Offers the gain of a folded dipole with an omni-directional pattern
- Works in areas where stations are situated in many directions

Order #	(ea.)
30-855	\$19.95



antennacraft Scanner Antenna

Covers VHF/UHF public service bands 30-1300MHz. Includes 300 to 75ohm matching transformer and 50' RG-6 coax cable.

Order #	(ea.)
30-1380	\$39.95



Uni-Directional HDTV UHF Antennas

These powerful, weather-resistant, outdoor antennas are ideal for medium to long range applications that require the gain of the antenna to be concentrated in one direction. The Yagi style design effectively rejects off axis signals from structures that cause multi-path interference, and the corner reflectors on the back of the antennas improve the forward gain of the antenna resulting in exceptional performance across the entire UHF spectrum (channels 14-69).

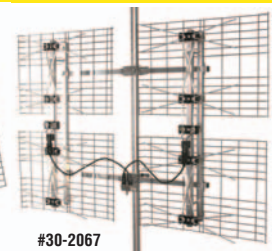
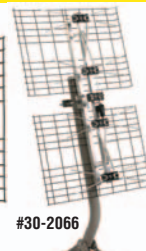
Order #	Description	Range miles	Gain db	Dimensions (H) x (W) x (L)	(ea.)
30-2070	Compact, 15-element, short-range	1-30	11.0	14" x 13" x 35"	\$47.50
30-2071	Mid-sized, 43-element, long-range	15-60	15.7	19" x 18" x 62"	63.95
30-2072	Large, high-gain, 91-element, long range	50-70+	16.7	22" x 20" x 93"	89.95



Multi-Directional HDTV UHF Antennas

Multi-directional antennas are designed to work in locations where the transmitters for digital stations are spread apart. These popular HD antennas utilize a bowtie design that provides a strong gain across the entire UHF spectrum (channels 14-69). They function incredibly well in areas where flexible aiming is required and feature a weatherproof construction that resists extreme wind loading.

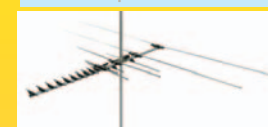
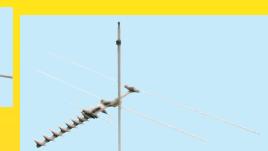
Order #	Description	Range Miles	Gain	Dimensions (H) x (W) x (D)	(ea.)
30-2065	Indoor/outdoor, low-profile, short range	1-30	11.4db	12" x 19" x 4"	\$39.95
30-2066	Outdoor, most popular, mid-range	15-55	13.7db	29" x 19" x 4"	54.95
30-2067	Outdoor, high-gain, long range	50-70	15.8db	29" x 42" x 4"	89.95



Uni-Directional HDTV VHF/UHF Antennas

Designed for use in areas where popular HDTV stations are broadcast on the VHF band (channels 2-13), these antennas receive both UHF and VHF signals. These antennas have been specifically designed for combined VHF and UHF reception for full coverage. All of these antennas are unidirectional so they must be pointed towards the transmitters to achieve optimum performance.

Order #	Description	Channels		Range Miles	Gain	Dimensions (W) x (L)	(ea.)
		VHF	UHF				
30-2075	Medium-gain, 10-element	(7-13)	(14-69)	1-25	7.8db	69" x 32"	\$47.50
30-2076	High-gain, 15-element	(2-13)	(14-69)	1-45	10.8db	95" x 43"	63.95
30-2077	Ultra-high gain, 21-element	(2-13)	(14-69)	15-65	12.9db	110" x 59"	79.95



Channel Master® SMARTenna® UHF/VHF Antenna

Ideal for suburban/metropolitan area television reception. Omni-directional antenna with built-in amplifier. **Specifications:** Bandwidth: 54-806MHz. Gain: 20dB. Impedance: 75ohm. Power: 120VAC via included adaptor. Diameter: 22".

Order #	Mr. #	(ea.)
30-1710	3000A	\$109.95

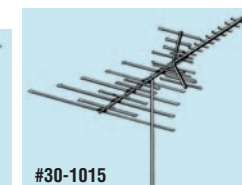
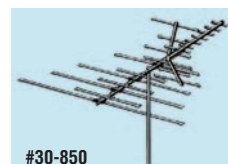
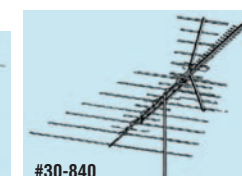


antennacraft Omni-State Omni-Directional Antenna

The Omni-State antenna provides excellent reception of VHF and UHF channels in most viewing locations. Measures 21" in diameter and has a 20dB built-in amplifier. Operates on 120VAC with the supplied adaptor. Optional accessories for installation are available.



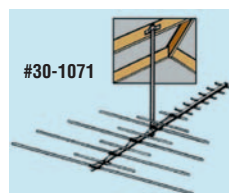
Order #	(ea.)
30-1335	\$74.95

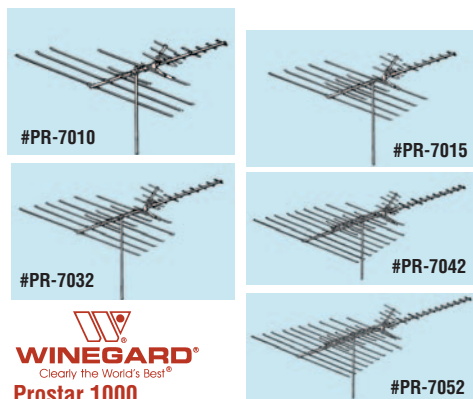


antennacraft UHF/VHF/FM Antennas

- 300ohm output, includes 75ohm transformer

Order #	Description	Boom Length	Elements	(ea.)
30-1075	Discovery D-9000	180"	91	\$89.95
30-840	Colorstar 480	150"	48	64.95
30-1015	Color King 5885	90"	34	40.35
30-850	Color King 5884	58"	25	30.25
30-1071	Compact Antenna	70"	16	27.59





WINEGARD®
Clearly the World's Best®

Prostar 1000 VHF/UHF/FM Antennas

•300ohm output •Digital ready •Die cut impedance correlators allow close spacing of antenna elements manufactured from high tensile aluminum that will withstand strong wind and ice •Aluminum is protected with high quality polymer finish to protect for oxidation •Exclusive wrap-around mast clamps can not crush antenna or boom mast •Completely automatic hardware

Order #	Active Elements	VHF Elements	UHF Elements	Boom Length	(ea.)
PR-7010	22	9	13	16.5"	\$71.95
PR-7015	31	12	19	87.75"	59.95
PR-7032	33	13	20	103.25"	81.69
PR-7042	43	17	26	149.75"	139.00
PR-7052	49	21	28	170.25"	169.00

WINEGARD®
Clearly the World's Best®

Chromstar 2000 VHF/UHF/FM Antennas

•75ohm output •1dB to 2dB higher gain on VHF and UHF for improved picture quality •Zinc plated steel hardware •Polyethylene boot covers keep connections clean and dry •Aluminum is protected with a high-quality polymer finish to protect from oxidation

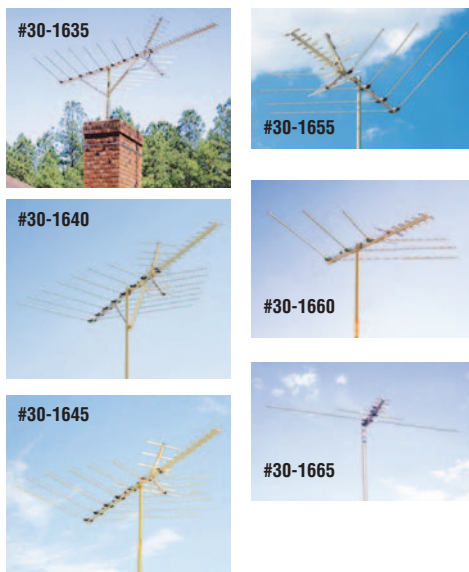
Order #	Active Elements	VHF Elements	UHF Elements	Boom Length	(ea.)
CA-7082	50	18	32	110.5"	\$129.00
CA-7080	39	14	25	90"	109.00



TERK TECHNOLOGIES® Amplified, Satellite Dish Mounted, Clip-On TV Antenna

Many areas have great local programming but the satellite companies charge you for that local programming on a per receiver basis. Now you can keep the great satellite programming you have, pick up local HD stations not currently available from service providers and get free local programming too with the TERK TV44. The TV44 is an easy to install clip on amplified antenna, which installs directly on your existing satellite dish. So pick up the local stations you want without picking up the extra cost. You'll soon realize all the advantages of a new TERK TV44 antenna. First, it can be installed easily by anyone. The TV44 has a patented clip on design that attaches directly to your satellite dish without any tools. The TV44 was developed to be weather resistant, ensuring years of enjoyment, and its internal amplifier minimizes signal loss for the best reception possible.

Order #	Mfr. #	(ea.)
33-9655	TV-44	\$54.95



Channel Master® Advantage Series Antennas

The Advantage line of antennas was designed with the Do-It-Yourself installer in mind. All models are UPS shippable and will fit in most any car. Superior performance, economy, pricing, and pre-assembled for ease of installation, make this antenna line the perfect choice for the self-installer. Includes balun, weather boot and S clip.

Order #	Mfr. #	Boom Length	(ea.)
30-1635	3020	152"	\$139.95
30-1640	3019	133"	104.81
30-1645	3018	113"	80.43
30-1655	3016	66"	49.95
30-1660	3014	52"	37.49
30-1665	2001	27"	39.74

Channel Master® STEALTHtenna™ UHF/VHF Antenna

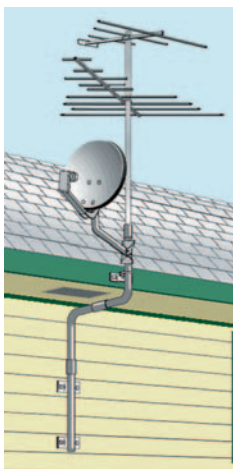
Channel Master ushers in a new era for off-air reception with the introduction of the STEALTHtenna. Optimized for HDTV/digital and analog reception, the STEALTHtenna offers the performance and aesthetics that today's consumers demand for their ever changing reception needs. The STEALTHtenna is also the perfect compliment to DBS satellite systems for reception of local broadcast. Rear mounting bracket design allows the STEALTHtenna to be easily installed under an eave for an inconspicuous installation. STEALTHtenna may also be mounted in traditional roof, chimney, wall and attic configurations. Optional amplifier provides split band amplification and is optimized for HDTV/digital as well as analog signals. **Specifications:** Gain: 15dB UHF, 15dB VHF/FM. Power 12-22VDC via included adaptor.

Order #	Mfr. #	Description	(ea.)
30-1715	3010	Stealthtenna	\$69.95
30-1720	3038	Stealthtenna amplifier	49.95

PERFECT 10™ TennaMount

A strong stable mounting system that supports both DBS and VHF/UHF antennas in one convenient location. Installs quickly and easily to the side wall of a building, and adjusts easily to roof overhangs. It can be wired with back-to-back splitters so all DBS, VHF and UHF signals travel on one RG-6 cable. All mounting hardware supplied.

Order #	(ea.)
33-2630	\$52.02



SATV/CATV



section
14

In-line Surge Protector **NEW**

Protect your cable modem, tuner, converter, decoder, and satellite receiver from power surges and spikes caused by lightning strikes. Plugs directly into coax line. **Specifications:** •Frequency range: 5~2,400MHz •Insertion loss: 1.5dB max •Max surge current: 5000A



Order #	(1-9)
33-10400	\$5.99

Double Galvanic Lightning Arrester

Protects your valuable video equipment from voltage surges caused by lightning strikes to or near antennas or cable television lines. Frequency range: 5MHz-1GHz.



Order #	(1-9)	(10-up)
33-8695	\$5.19	\$4.81

✓MCR High Frequency Ground Blocks

High frequency ground blocks have extended frequency capacity to 2.4GHz making them perfect for satellite and digital applications. Nickel plated finish to resist effects of the weather.

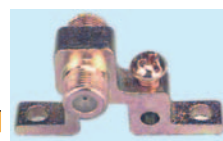


Order #	Description	(1-9)	(10-99)	(100-up)
33-7705	Single	\$0.49	-	-
33-7710	Dual	2.07	\$2.03	\$1.93

Grounding Block

•Zinc die-cast •Mounting screws included.

Order #	Type	(ea.)
33-470	Single	\$0.82
33-1800	Dual	2.69



Thomas&Betts® Snap-N-Seal Ground Blocks

The perfect way to make your ground with less chance of allowing moisture to get into the connection. Incorporates the Snap-N-Seal feature on the ground block.

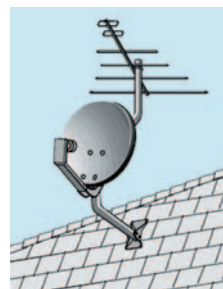


Order #	Cable type	(1-9)	(10-49)	(50-up)
33-4175	RG-6	\$6.14	\$5.63	\$5.11
33-4180	RG-6QS	6.14	5.63	5.11

PERFECT 10™ MiniMount

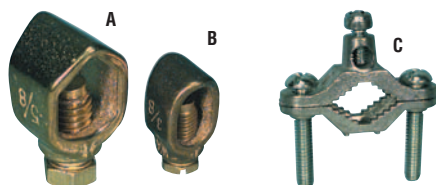
The low profile design attaches easily to the top of a roof mounted antenna pipe stand, providing a stable mounting point for any small VHF/UHF TV antenna.

Order #	(ea.)
33-2626	\$18.13



Order Toll Free
1-800-543-4330 Fax 1-800-765-6960 **283**

section 14



✓MCR Ground Clamps

A properly grounded antenna or satellite system will not suffer from the effects of ground loops. These ground loops can be identified as beat and herringbone in the picture. Available in 1/2" and 3/8" for connecting to ground rods and two piece clamps for connecting to 1/2" to 1" water pipes.

Fig.	Order #	Diameter	(1-9)	(10-up)
A	33-6895	1/2"	\$1.79	\$1.25
B	33-6900	3/8"	2.09	1.64
C	33-6905	1/2"-1"	2.89	2.46

Split Bolts

Quickly and securely connects ground wires together. Connect the ground for an antenna or DSS to the house ground. Available in two sizes.

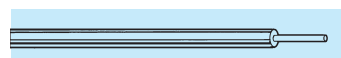
Order #	Dimensions	(1-9)	(10-49)
33-7020	1/2" x 1 1/4"	\$4.39	\$4.03
33-7025	3/8" x 1"	1.89	1.74



4' x 3/8" Universal Grounding Rod

The 4' universal grounding rod is ideal for completing your system installation. The copper coated steel construction prevents ground loop problems.

Order#	(1-9)	(10-49)
33-9700	\$5.49	



Ground Wire

Type THHN wire commonly used as ground wire. 10AWG stranded or solid copper with oil and gas resistant coating. Available in stranded and solid.

Order #	Description	(ea.)	(2-up)
24-5365	Stranded, 500' spool	\$129.94	-
24-5370	Solid, 500' spool	129.94	\$107.06
24-5375	Solid, sold per foot	1.11	0.88

SlimLine Coupler

This flat, flexible coupler allows you to run cables into a house or apartment without drilling holes in the house of window frame. Simply put the cable through the window and close, the coupler will bend easily around the window pane.

Order #	(ea.)
33-7430	\$8.29

EASY-UP

Guy Wire

•18 gauge, 6 strand heavy-duty guy wire •Vinyl coated to reduce effects of weather •Length: 100'

Order #	(ea.)
30-1055	\$8.19



WINEGARD® "J" Pipe Mount

Designed for outdoor antenna use and can be used on the roof or side of the house. The mount foot can be used on either end of the pipe for most efficient mounting. •Galvanized steel •38" long •Wall thickness: .060" •1.66" OD and E-Coated for maximum protection.

Order #	(ea.)	(2-up)
DS-3000	\$29.95	\$25.70

PERFECT 10™ DBS Pipe Adaptor

Install a DSS, Dish Network or Prime Star dish to any antenna mast or pipe with this pipe adaptor. Works with RCA, Panasonic, Echo Star and other DSS dishes. Mfr. #QPA-1.

Order #	(ea.)
33-4935	\$16.29

EASY-UP DSS Rear-Mount

The DSS rear-mount attaches quickly to the existing bolts on the rear of the DSS dish allowing for mounting of a local broadcast antenna.

Order #	(1-9)	(10-up)
30-1520	\$12.09	\$10.39

EASY-UP Tripod Roof Mounts

•Mounts TV antennas without guy wires •Self supporting •Extra heavy-duty with rotamast feature •Fits mast up to 1 1/2" •Six screw mast support

Order #	Size	(ea.)
30-925	3'	\$22.17
30-930	5'	30.25

Channel Master® Dura-Tube® Antenna Mounts

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 and receives a 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.

Order #	Mfr. #	Description	(ea.)
30-1725	9003	3' tripod mount	\$33.66
30-1755	1607	5' mast, 16 GA	8.69

EASY-UP

Eve Mounts

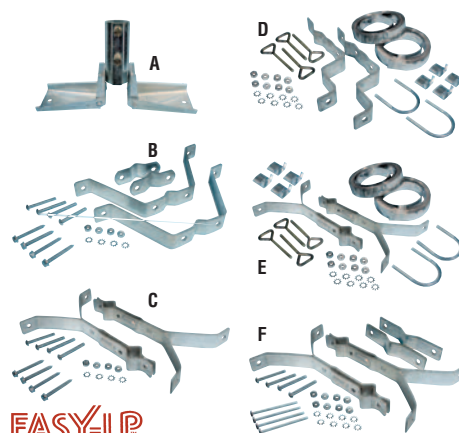
Alternative to roof and chimney mounts. Fits most any medium pitch roof. Adjusts from 43" to 60". Accepts up to 1 1/2" masts. Includes mounting hardware. Zinc finish.

Order #	(ea.)
30-1085	\$22.17

TV Line Clips

•For antenna lead hook-ups •High-quality construction •For quick connection of 300ohm twin lead to antenna terminals •Two per package

Order #	(1-9 pkgs.)	(10-49 pkgs.)	(50-99 pkgs.)
33-610	\$1.24	\$1.06	\$0.85



EASY-UP

Heavy-Duty Antenna Mounting Accessories

•Heavy-duty mount for masts up to 1 1/2" outer diameter •Made of all steel construction •Triple coat corrosion protection

Fig.	Order #	Description	(ea.)
A	30-895	Roof mount	\$6.65
B	30-900	4" wall mount	6.65
C	30-905	8" wall mount	7.68
D	30-910	"Z" chimney mount	10.24
E	30-915	"Y" chimney mount	16.95
F	30-1160	Vent pipe mount	10.24

EASY-UP

Antenna Mounting Hardware

Fig.	Order #	Description	Qty.	(pkg.)
A	30-1030	Guy wire clamp up to 1 1/2" mast	1	\$3.58
B	30-1035	Turnbuckle - 7" open, 5" closed	3	4.09
C	30-1045	Cable clamps 1/2" open 3/4" closed	3	1.53



EASY-UP Masts

16 gauge corrosion protected mast ideal for television and communication antennas. 5' section swagged at one end. 2 1/2" section ideal for use above rotator.

Order #	Size	(ea.)
30-1080	2 1/2'	\$3.58
30-935	5'	6.05



Antenna Lances

Antenna lances are a quick and easy way of mounting small antennas to attic trusses or rafters. 1" diameter to accommodate standard antenna mounting hardware.

Order #	Length	(ea.)
30-1605	18"	\$4.15
30-1610	24"	5.19

Thomas&Betts

"D" Rings

Use for attaching wires and cables to structures and to support cable runs and electrical wiring. Bright galvanized steel. 1 1/2" eyelet and 1 1/2" nail.

Order #	(1-9)	(10-49)	(50-up)
33-8615	\$1.79	\$1.74	\$1.53



COAX-SEAL

- A fast and easy way to waterproof coax fittings
- Wraps around fittings and can be molded to any shape
- Works with vinyl and poly vinyl outer covers
- Stays flexible for years

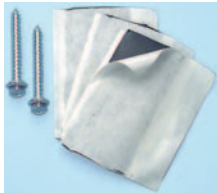


Order #	(1-9)	(10-24)	(25-49)
21-1140	\$3.49	\$3.16	\$2.95

EASY-UP

Pitch Pad Kit

- Pitch pad and lag bolt kit
- Pads reduce risk of water leakage
- Use when mounting antennas on roof
- Contains six lag bolts



Order #	(kit)
30-940	\$3.06



Feed-Thru Bushings

Cable feed-thru bushings give cable and satellite installations a finishing touch. Available in single and dual construction, white or black. 100 per package.

Order #	Description	(1-9 pkgs.)	(10-up pkgs.)
33-4815	Single, white	\$4.09	\$3.69
33-4820	Single, black	4.09	3.69
33-4825	Dual, white	5.11	4.74
33-4830	Dual, black	5.11	4.60

RG-6/U Tap-In Cable Clips

Made from UV stabilized, non-conductive polycarbonate, these clips are both weather and impact resistant. Smooth, rounded edges will not cut or abrade the cable shielding as metal clips can. The clip is designed with strain relief grips to hold the clip, no need to hold the clip while installing it. Thin hardened pins won't chip stucco and mortar on your customer's house. 100 per box.



Order #	Mfr. #	Pin Length	Price per box (1-9)	(10-up)
33-8635	TA-7LP	7/8"	\$19.95	\$19.52
33-8636	TA-7	5/8"	19.95	19.52

Cable Clips

Make cable runs neat and easy. Made of high impact plastic with plated steel nails. Firmly attaches cable to wood, plastic, brick, mortar or concrete block. 100 per package.

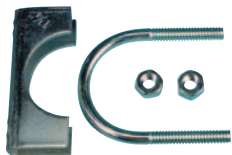


Order #	Color	Cable	(1-9 pkgs.)	(10 pkgs.-up)
33-585	Black	RG-59	\$3.89	\$3.19
33-580	White	RG-59	3.44	2.90
33-4745	Black	RG-6	3.39	2.85
33-4750	White	RG-6	3.58	3.01
33-4765	Black	Dual RG-6	3.65	3.11
33-4770	White	Dual RG-6	3.65	3.02

EASY-UP

U-Bolts

Connects antennas or mast to bracket. Use with mast pipe up to 1 1/2". One per package.



Order #	(1-9 pkgs.)	(10 pkgs.-up)
30-1515	\$1.59	\$1.12



TERK TECHNOLOGIES WiFi Antennas

Boost the performance of your wireless signal and expand the WiFi coverage with these multi-band (802.11a/b/g/n) wireless router antennas. The WF-O and WF-D antennas can be mounted to a wall, or placed on a desk, and feature dual-band functionality (2.4GHz and 5.8GHz) and up to 8dB gain to increase transmission rates and decrease retransmissions. Includes TNC/SMA adaptor and 3' RG-316/UL cable. The WF-R is a standard, 7dB gain wireless router replacement antenna featuring a 2.4GHz operating frequency, and a reverse polarity TNC connector that is compatible with most detachable antennas.

Order #	Description	Mfr. #	Gain	(ea.)
30-2040	Omni-directional	WF-O	7dB	\$19.95
30-2045	Directional	WF-D	8dB	19.95
30-2050	Replacement	WF-R	7dB	16.95

Mini UHF/VHF Signal Combiners

UHF/VHF signal combiners for use with antennas when TV has only one antenna input. Small size, 1 1/2" wide by 1 1/2" high, for use with newer TVs with recessed "F" connector.

300ohm UHF and 75ohm VHF inputs

Order #	(1-9)	(10-up)
33-1570	\$1.76	\$1.06



75ohm UHF and 75ohm VHF inputs

Order #	(1-9)	(10-up)
33-1580	\$1.76	\$1.03

Push-On Balun

- Quick connect for "F" fittings with impedance matching transformer
- Minimum five

Order #	(5-9)	(10-up)
33-010	\$0.84	\$0.63



Indoor

- UHF/VHF/FM
- 75~300ohm matching transformer
- "F" type input, 300ohm twin lead output
- Minimum five

Order #	(5-9)	(10-99)	(100-up)
33-050	\$0.69	\$0.59	\$0.49



Economical Indoor Matching Adaptor

- UHF/VHF/FM
- 75~300ohm adaptor
- "F" type input, twin lead output
- Ten per bag, bulk packaged

Order #	(1-3 bags)	(4-9 bags)	(10-24 bags)	(25 bags-up)
33-1390	\$7.50	\$6.99	\$6.50	\$6.31



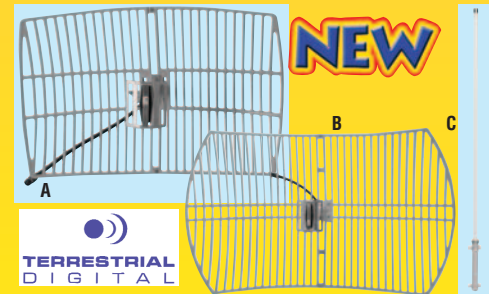
Antenna Signal Splitters

Order #	Input Ohms	VHF Ohms	UHF Ohms	FM	(1-9)	(10-49)
33-220	75	75	300	No	\$4.09	\$3.57
33-200	75	300	300	Yes	3.29	2.57

SATV/CATV



section
14



Outdoor Long-Distance 2.4GHz WiFi Antennas

Choose from either unidirectional, or omnidirectional outdoor wireless antennas that offer exceptionally high gain over longer distances. The unidirectional antennas (#30-2080 and 30-2081) feature a unique reflector grid design that improves the front-to-back ratio, effectively rejects interference and vastly improves gain from very tight, directional beams. The omni-directional antenna offers an ultra-high gain from a 360° pattern, which is ideal for campus and office park coverage.

Fig.	Order #	Description	Gain	Beam Width	(ea.)
A	30-2080	Unidirectional	18db	15°	\$99.95
B	30-2081	Unidirectional	24db	10°	119.00
C	30-2082	Omni-directional	12db	360°	119.00



Indoor 2.4GHz WiFi Antennas

Connect a new signal boosting WiFi antenna to your existing 2.4GHz wireless router to vastly improve indoor signal coverage and mobility. Choose from several antenna designs (wall, ceiling, desk, or corner) that optimize gain in various locations throughout a building, or residence by utilizing either multi-directional, or omni-directional beams, and unique, functional designs to maximize efficiency and signal strength.

Order #	Description	Gain	Beam Width	(ea.)
30-2085	Multi-directional, wall-mount	11db	180°	\$79.95
30-2086	Multi-directional, corner-mount	12db	90°	79.95
30-2087	Omni-directional, multi-mount	5db	360°	79.95
30-2088	Omni-directional, ceiling-mount	5db	360°	79.95

Outdoor

- Weather resistant, molded plastic construction
- Supplied with rubber boot

Order #	(1-4)	(5-9)	(10-49)	(50-up)
33-040	\$2.18	\$2.04	\$1.71	\$1.39



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 285

PHILIPS VHF/UHF/FM/HD Digital Indoor Antenna

• 12 position fine tuning for best reception • 34" telescoping dipoles for VHF reception (channels 2-13) • UHF loop (channels 14-69) • 6' coaxial cable

Order # (1-4)
MANT210 \$11.95

NEW



PHILIPS VHF/UHF/FM Indoor Antenna

• 44" black, retractable VHF dipoles • Adjustable UHF tuning loop • 4' coaxial cable for easy hook-up • Matching transformer to connect to cable ready TV • Twin lead connectors to attach to TV • Useful for all screen sizes, particularly over 19"

Order # (1-9)
MANT250 \$16.95



PHILIPS HDTV Off-Air Amplified Antenna

Enjoy premium performance with this indoor UHF/VHF/FM antenna.

Features: • 50dB gain, adjustable with LED signal level monitor • A/B switch, heavy chrome plated 44" dipoles • Very low noise amplifier (less than 4dB) to maintain carrier to noise ratio, critical for DTV • Unique scientifically designed UHF panel array for superior analog and DTV reception • Swivels and tilts for best signal alignment • Contemporary low profile design, styled to compliment today's TVs

Order # (1-9)
MANT510 \$45.95



NEW

PHILIPS UHF/VHF/FM Indoor/Outdoor Antenna

This versatile antenna is designed to look as great as it performs. Use it indoors or out for superior reception in urban or suburban areas. Lightweight, compact and easily mountable, it's equally at home on your roof or patio rail, in your attic or family room. **Features:** • Dual element for best reception and range, up to 40 miles • Superior reception over UHF and VHF bands • Ideal for both today's analog reception and the future's digital TV (DTV) • 18dB/VHF, 15dB/UHF amplifier gain for extended reception range • Low noise amplifier maintains carrier-to-noise ratio, critical for DTV • Can be used with rotor (optional, mast only). Includes hardware, power supply and 20' cable. Visit www.mcmelectronics.com for complete specifications.

Order # (1-4)
MANT950 \$85.95

PHILIPS Indoor DTV UHF/VHF Antenna

Enjoy optimum indoor reception of digital TV. **Features:** • 10dB adjustable gain amplifier, extends range • Trademark silver sensor log periodic UHF design for best possible indoor reception • Contemporary low profile design, styled to compliment today's TVs • Hide away, heavily chrome plated 34" VHF dipoles • Very low noise amplifier (less than 4dB) to maintain carrier to noise ratio, critical for DTV. Visit www.mcmelectronics.com for complete specifications.

Order # (1-4)
PHDTV3 \$39.95



NEW

PHILIPS UHF Indoor/Outdoor Antenna

Easiest and best solution for urban/suburban UHF DTV (digital TV) reception. Perfect alternative to conventional outdoor antennas. **Features:** • Built-in optimum gain amplifier, 18dB UHF, with low noise circuitry, under 3.5dB, for best possible DTV performance • Efficient flat panel UHF array, up to 40 miles range • Compact yet effective size, 5" x 10" • Easily mounts on wall, mast or railing • Can be used with rotor (optional, mast only) • Ideal for RV or boat. Includes 20' cable, power injector, power supply, and flexible mounting kit.

Order # (1-4)
MANT940 \$39.95



NEW

NEW



Digital TV/HDTV ATSC Off-Air Tuner

Ideal solution for receiving terrestrial, off-air (antenna) digital TV broadcasts from the constantly increasing number of off-air digital TV broadcasters (e.g., local stations, PBS, etc). **Features:** • ATSC receiver capable of outputting composite, or component (Y.Pb.Pr) video • Stereo audio output • Parental control-movie/TV rating (V-chip) • Fully functional infrared remote controller • Selectable SDTV/ HDTV output/input resolution (480i/480p/720p/1080i) • Standard definition NTSC 480i output • Aspect ratio control; 4:3 and 16:9 • Advanced Electronic Program Guide (EPG)

Order # (ea.)
33-10413 \$189.95



Don't See The Part You Need?
Call our Quotes Team
1-800-543-4330
email: quotes@mcmelectronics.com

TERRESTRIAL DIGITAL HDTV Outdoor Antenna

The Lacrosse HDTV antenna is the perfect blend of style and performance. Based on remote sensing technology, the Lacrosse is the first HDTV antenna to employ the newest reception capabilities in both amplified and non-amplified versions. It is one of the strongest multi-directional antennas available, and performs consistently across the entire UHF spectrum (channels 14-69). **Specifications:** • Range: Up to 40 miles • Gain: 10.8db (non-amplified); 17db (amplified) • Dimensions: 14" (H) x 20" (W)

Order # Description (ea.)
30-2060 Non-amplified \$109.00
30-2061 Amplified 119.00



NEW

TERRESTRIAL DIGITAL HDTV Picture Frame Antenna

This attractive cherry wood picture frame with glass photo cover has a powerful, built-in antenna element for those wanting a discreet, but powerful indoor antenna. **Specifications:** • Range: Up to 15 miles • Gain: 6.5db (non-amplified) • Targeted band: UHF (channels 14-69) • Dimensions: 9" (L) x 11" (H) x 1" (D) • Holds an 8" x 10" photo

Order # (ea.)
30-2055 \$39.95



NEW

TERK TECHNOLOGIES TV55 HDTV Antenna

The TV55 includes cables and weatherproof stainless steel connectors, for easy integration with

satellite systems. The kit combines local and satellite signals into a single RG-6 coaxial cable, eliminating the need to run an extra wire from the dish to the home.

Accessories included: (1) power injector with 110VAC to DC power adaptor, (1) 1/4-20 x 1 1/2" hex-head bolt, (1) 1/4-20 2 1/2" hex-head bolt, (1) mast mount base, (2) 1/4-20 x 3/8" hex-head bolts, (1) mast mount cover, (1) 1/4-20 wing nut, (2) window mount brackets (2-piece assemblies), 1/4-20 hexagon nuts, (2) wall mount cam-lock units, (2) #10 x 2 1/2" flat-head screws, (1) channel insert, (2) #8 x 1 1/2" flat-head screws, (1) 9/16" flat coaxial cable, (2) 1/4" split washers, (1) 36" RG-6 coaxial cable, (2) #10 plastic wall anchors. Mfr. #TV-55.

Order # (ea.)
30-1525 \$67.95



TERK TECHNOLOGIES HDTV Indoor Antennas

Terk indoor HDTV directional antennas are optimized for HDTV reception. Both UHF and VHF elements are uniquely designed for reception of all available HDTV off-air broadcasts (channel 2-69). Highly directional UHF elements reduce signal interference and improve average return loss for better reception and superior performance.

Order # Mfr. # Description (ea.)
30-2000 HDTVi Non-amplified \$37.95
30-2005 HDTVv Amplified 49.95



NEW

NEW

TERK TECHNOLOGIES HDTV Outdoor Antenna

The Terk HDTV is a slim profile, compact, lightweight, HDTV antenna offering excellent reception of reflected broadcast signals in urban areas. It is designed specifically to receive both UHF and VHF HD signals (channels 2-69) that reflect off line-of-sight obstacles, and its pipe and foot mount enables this antenna to be installed on a roof, wall, balcony or attic.

Order #	(ea.)
30-2015	\$139.00

NEW

TERK TECHNOLOGIES HDTV Amplified Outdoor Antenna



The Terk HDTV is an innovative, compact, amplified outdoor antenna that features powerful high gain, and offers versatile installation flexibility. Its unique design incorporates

a highly directional log periodic antenna array and a pair of curved elements that combine to capture and focus HDTV signals. Mount flush to the side of a building, or use the included multi-mount mini-mast and base to install virtually anywhere.

Order #	(ea.)
30-2020	\$109.00

TERK TECHNOLOGIES XMIRCO2 Satellite Radio Replacement Antenna

Practically invisible, this mini antenna has a powerful magnetic base with rubberized feet to facilitate versatile mounting and placement without drilling into the vehicle surface.

For use with single-input XM Satellite Radio® receivers. Features a low profile, high performance design and extra long 23' cable. Dimensions: 1.37" (W) x .5" (H) x 1.25" (D).

Order #	Description	(ea.)
33-10365	XMIRCO2 antenna	\$29.95
33-10371	50' amplified extension cable	39.95

TERK TECHNOLOGIES SIRUS™ Satellite Radio Replacement Antenna

Practically invisible, the SIRMINI antenna has a powerful magnetic base with rubberized feet to facilitate versatile mounting and placement without drilling into the vehicle surface. For use with single-input Sirius™ satellite radio receivers. Features a low profile, high performance design and extra long 21' cable. Dimensions: 1.37" (W) x .5" (H) x 1.25" (D) Mfr. #SIRMINI.

Order #	Description	(ea.)
33-10385	SIRMINI antenna	\$39.95
33-10371	50' amplified extension cable	39.95

AM Loop Antenna

• Popular replacement AM antenna used on most stereo receivers
• 18" lead length
• 300ohm impedance • Antenna has two pin quick connect for equipped systems • For systems with push terminals or screw terminals, simply cut and strip the ends of the antenna wire for your application



Order #	(1-9)	(10-up)
30-660	\$3.35	\$3.13

TERK TECHNOLOGIES XMDirect™ Universal Tuner Box and Adaptors



Control your new XM satellite service through your car's XM-ready stereo with XMDirect™ products. The XMDirect™ universal tuner box receives the digital XM satellite radio signal through the XM-ready car stereo head unit. • Compatible with all XMDirect™ products • Small size for a clutter-free installation • Tuner dimensions: 3 3/4" (W) x 1 1/4" (H) x 4 3/4" (D). **Note:** Must be used with XMDirect™ smart digital adaptor or digital adaptor cable.

Order #	Description	Mfr. #	(ea.)
Tuner			
33-10315	Universal tuner box	XMD1000	\$39.95
Smart digital adaptor			
33-10320	Sony™	XMDSON110	39.95
33-10325	Kenwood™	XMDKEN100	39.95
33-10330	Pioneer™	XMDPIO110	39.95
33-10335	Alpine™	XMDALP100	39.95
Digital adaptor cable			
33-10340	Panasonic (2006 radios)	XMDPAN110	24.95
33-10345	Panasonic (2005 radios)	XMDPAN100	24.95

TERK TECHNOLOGIES XMDirect™ Factory Radio Kits

Control your new XM satellite service through your cars XM-ready stereo with XMDirect™ products. The XMDirect™ Universal Tuner Box receives the digital XM satellite radio signal through the XM-ready car stereo head unit. • Compatible with all XMDirect™ products • Small size for a clutter-free installation • Tuner dimensions: 3 3/4" W x 1 1/4" H x 4 3/4" D. **Note:** Must be used with XMDirect™ smart digital adaptor or digital adaptor cable.

Order #	Mfr. #	Description	(ea.)
33-10350	XMDGMK	GM XMDirect™ OEM kit	\$159.00
33-10355	XMDFDK	Ford XMDirect™ OEM kit	129.00
33-10360	XMDCPK	Chrysler XMDirect™ OEM kit	129.00
33-10361	XMDTLK	Toyota XMDirect™ OEM kit	159.00

TERK TECHNOLOGIES Truck Mirror Mount Antenna Bracket for XM/Sirius

Compatible with Sirius and XM magnetic mount antennas, this chrome plated, weatherproof antenna mount bracket has tool-less wingnuts for quick installation. • Fits 3/8", 1/2" diameter side mirror supports • Includes three cable protectors and an adhesive pad for semi-permanent antenna installation. Mfr. #SRB-M.

Order #	(ea.)
33-10370	\$18.95



FM Dipole Antennas

These high quality FM dipole antennas can be used for many newer FM tuners and receivers. Available in three configurations: 300ohm spade terminals, 75ohm male "F" connector and 75ohm female PAL connector. These antennas are constructed from high quality 300ohm twin-lead and perform significantly better than the OEM supplied straight wire or a split two conductor antennas providing higher quality FM reception.



Order #	Description	(1-9)	(10-up)
30-1530	Male "F" connector	\$2.09	\$1.39
30-1535	Female PAL connector	1.52	1.01
30-110	Spade terminals	1.49	1.35

SATV/CATV


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TERK TECHNOLOGIES XM Passport Mini Tuner

This miniature cartridge is a complete XM radio tuner for XM ready home audio devices, allowing users to have just one XM subscription. The XM Passport mini-tuner works with a wide array of existing XM ready products (with a built-in tuner slot), including home stereo and home theater systems, DVD players, mini/micro shelf systems, clock radios, and portable devices. It can be used with a docking station, or inserted directly into compatible mini-tuner-slot audio devices. The home dock (CNP2000H) includes a docking station, protective cover, window sill-mount antenna, and 20' antenna extension cable.

Order #	Mfr. #	Description	(ea.)
33-10375	CNP2000	Cartridge	\$29.95
33-10380	CNP2000H	Home dock	29.95



Maximize the signal strength of your SIRIUS™ dedicated home, or plug-and-play single input receiver/ radio. This all-weather antenna can be mounted on an exterior wall or roof with the supplied universal mounting bracket and hardware. The SIR6 comes with a 30' detachable cable to facilitate easy cable routing and hook-up. Dimensions: 3 3/4" (W) x 4 3/4" (H) x 12 3/8" (D). Mfr. #SIR6.

Order #	(ea.)
33-10390	\$79.95



RCA High-Power Amplified Indoor TV Antenna

- Amplifies up to 45dB with signal pass to avoid signal saturation; 3-stage amplifier
- 39" retractable dipoles adjust for best reception
- UHF loop tilts 180° and rotates 360°
- Integrated 3-way switch for switching between antenna and cable or satellite
- Integrated hook-up cable; low noise insertion loss
- No assembly required
- Isolated dual UHF and VHF gain controls
- Noise filtration



Order # (ea.)
ANT1250 \$48.50

RCA Indoor Antenna

- Digital TV compatible
- VHF/UHF/FM • 39" retractable dipoles adjust for best reception
- UHF loop • 6' 75ohm hook-up cable with screw-on "F" connector



Order # (ea.)
ANT1020 \$9.42

RCA Indoor Antenna

- Adjustable/retractable VHF dipoles extend up to 39" to improve reception of channels 2-13
- UHF loop for improved reception of channels 14-69
- HDTV compatible
- Attached 3' 75ohm coaxial hook-up cable with "F" connector for easy hook-up
- Off-air reception of local channels-analog or digital
- No-suff pads protect cabinet/TV top
- Dimensions: 12.7" (L) x 7.1" (W) x 3.0" (H)



Order # (ea.)
ANT110 \$5.19



TERK TECHNOLOGIES AM Advantage

The AM Advantage antenna is a passive, fully adjustable indoor AM antenna designed for extended range capability. The antenna is intended to receive AM frequencies 530KHz~1600KHz for

local and distant AM reception. The antenna features Pin-Dot™ Pre Tuning system which allow the user to adjust the antenna and match it to the specific frequency. Mfr. #ADVANTAGE.

Order # (ea.)
30-1395 \$39.95

TERK TECHNOLOGIES TV5

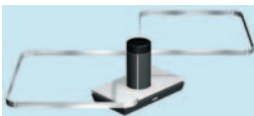
The TV5 antenna is a perfect primary set-top antenna in suburban or outlying areas. TV5 combines a high-performance amplified antenna with a low-profile design that fits on top of any television, and even fits inside most television cabinets. TV5 features TERK's unique Complementary Symmetry technology, incorporating a pair of tuned receiving elements for excellent reception range and clarity. TV5's low-noise broadband amplifier features a simple one-touch adjust for all stations, and TERK's patented selectable amplifier bypass prevents over-modulation of stronger incoming signals. The integrated video selector switches between the antenna and any video component such as a DVD, VCR or video game at the touch of a button, without having to change any connections. TERK's indoor television antennas are engineered with premium materials resulting in a durable, high-performance antenna that will look great on any TV for years to come. Mfr. #TV-5.



Order # (ea.) (2-4) (5-up)
30-1560 \$39.95 \$39.09 \$36.00

TERK TECHNOLOGIES TV4

The TV4 low-profile antenna is a perfect set-top antenna for use in urban or suburban areas. TV4 combines a high-performance antenna with a low-profile design that fits on top of any television, and even fits inside most TV cabinets. TV4 features TERK's unique Complementary Symmetry technology, incorporating a pair of tuned receiving elements for excellent reception range and clarity. TV4's revolutionary design allows the antenna to stand less than 4 inches high while delivering outstanding reception. Unlike the frustrating trial and error method of adjusting conventional antennas, a simple rotation obtains optimum reception. TERK's indoor television antennas are engineered with premium materials resulting in a durable, high-performance antenna that will look great on any TV for years to come.



Order # (ea.) (2-4) (5-up)
30-1565 \$18.95 \$18.37 \$17.09



TERK TECHNOLOGIES FM PRO 50

FM PRO is the clear choice for the FM enthusiast. Designed to provide exceptional long-range FM reception, it may be mounted indoors or outdoors for a totally unobstructed installation. #30-1205 has a weather-proof housing and is easily installed in an attic, exterior side of the home or indoors in a closet, garage or interior wall. New Advanced Capture Circuitry™ (ACC) ensures that strong signals are locked in and weaker broadcasts are received with less noise. Terk's exclusive Dual Drive Amplifier boosts signals above noise and interference, using a DC-driven phantom power supply that is easily connected to your receiver.

Order # (ea.)
30-1205 \$95.95

TERK TECHNOLOGIES AM/FM TOWER

This newly designed antenna solves reception problems in urban high-rise or suburban environments. Positioned vertically, the tower receives signals from all directions with equal strength. Used horizontally, it becomes highly directional to pull in weaker and more distant stations. It also distinguishes between signal reflections and the main signal to eliminate overload and multipath difficulties. **Specifications:**
FM stereo section: • Amplifier gain: Variable 0dB~25dB • Impedance: 75ohm adaptable to 300ohm input with included matching transformer • FM operating band: 88~108MHz
AM stereo section:
• AM operating band: 500~1700KHz
• AM gain: 15dB • Range: 360° 17" (H) x 3 1/4" (W)



Order # (1-9) (10-up)
30-1110 \$19.95 \$17.95

TERK TECHNOLOGIES AM/FM Q

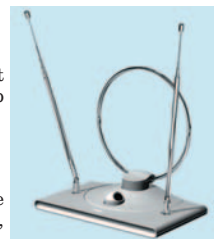
The AM/FM Q is TERK's premium amplified indoor AM/FM antenna. The AM/FM Q features a host of advanced technologies for exceptional antenna performance, such as TERK's unique Pin-Dot Pre-Tuning that zeroes in on even hard-to-get stations by tuning the antenna to the station's frequency. The AM/FM Q is easy to install and use and its compact, stylish high-tech design complements any home entertainment installation. Mfr. #AF-1.



Order # (ea.) (2-4) (5-up)
30-1550 \$59.95 \$57.95 \$54.95

TERK TECHNOLOGIES TV3

The TV3 antenna is a perfect primary or secondary set-top antenna in suburban or outlying areas. TV3 offers the performance of a high quality amplified rabbit ear antenna with the convenience of an integrated video switch, creating a one-cable solution for a video game, DVD player, VCR or other video component. A 75ohm coaxial cable and 75~300ohm matching transformer are included to ensure compatibility with any television set, and a non-skid silicon base adds maximum stability. The TV3's low-noise broadband amplifier boosts weaker signals for maximum reception range and clarity. The amplifier features one-touch adjustment for all stations, and TERK's patented selectable amplifier bypass prevents over-modulation of stronger incoming signals. TERK's indoor television antennas are engineered with premium materials resulting in a durable, high-performance antenna that will look great on any TV for years to come. Mfr. #TV-3.



Order # (ea.) (2-4) (5-up)
30-1570 \$32.89 \$31.59 \$28.19

UHF/VHF TV Antenna

- Dipoles extend to 30"
- Dual UHF loops • Brass with polished chrome finish
- Black base with 33" lead length

Order # (1-9) (10-up)
30-655 \$5.07 \$4.17



Panasonic Type Dual Antenna

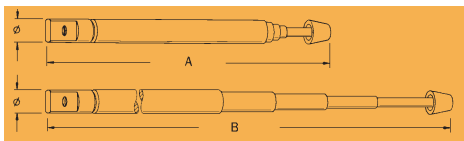
- Replacement antenna for Panasonic, RCA, JC Penney, Quasar and various private brand TV sets
- Five section • 9 1/2" collapsed • 39" extended • 21" lead length

Order # (1-9) (10-up)
30-060 \$6.12 \$5.91



Original JVC Rod Antenna

Order #	Extended Sections	Base Length	Diameter Length	Length (ea.)
Mfr. # 32-6970	6	32 1/2"	7 1/4"	12.03
VJA3006-00E				
32-6970	6	32 1/2"	7 1/4"	12.03
VJA3006-00D				



Replacement Antenna Dimensions Key:

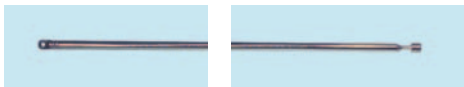
- **A** The collapsed length of the aerial including foot and tip
- **B** The length of the extended aerial including foot and tip
- **Ø** The diameter



Replacement Antenna

- Used in: Audio-sonic, Continental, Crown, Fisher, Hitachi, ISP, ITT, JVC, National Panasonic, Orion, Palladium, Philips, Sanwa, Sanyo, Sharp, Sony, Technics, Telefunken, Universum
- Dimensions: A = 204mm; B = 975mm; Ø = 6.0mm

Order #	(1-4)	(5-up)
APTA2	\$4.64	\$4.41



Replacement Antenna

- Used in: AIWA, Crown, Elite, Goldstar, Hitachi, ITS, ITT, JVC, Loewe Opta, National Panasonic, NEC, Nordmende, Orion, Palladium, Philips, Saba, Sanyo, Sanwa, Sanyo, Sharp, Schmid, Siemens, Sony, TEC, Telefunken, Teleton, Tensai, Toshiba, Waltham
- Dimensions: A = 230mm; B = 953mm; Ø = 6.0mm

Order #	(1-4)	(5-up)
APTA3	\$3.83	\$3.76



Replacement Antenna

- Used in: Aiwa, Continental, Crown, Fisher, Hitachi, ISP, ITS, ITT, JVC, Loewe Opta, National Panasonic, NEC, Nordmende, Orion, Palladium, Philips, Poppy, Saba, Sanwa, Sanyo, Sharp, Shebro, Siemens, Sony, Teleton, Tensai, Toshiba, Unisef, Universum, Weltfunk
- Dimensions: A = 273mm; B = 954mm; Ø = 6.0mm

Order #	(1-4)	(5-up)
APTA5	\$4.64	\$4.54



Sanyo, Sony, Toshiba Type Antennas

- Dimensions: A = 306mm; B = 1076mm; Ø = 6.0mm

Order #	(1-4)	(5-up)
APTA16	\$5.14	\$5.05



Replacement Swivel Rod Antenna

Popular style antenna is commonly used on portable radios, televisions and similar items. 1/4" diameter rod is 9.3" in length when collapsed, and extends to 31". Swivel base has a 3mm threaded hole for mounting.

Order #	(1-3)	(4-9)	(10-up)
30-392	\$3.49	\$2.99	\$2.49



Original Sony Antenna

Sony #1-501-386-11 and #1-501-388-11. Used in models #CFS-D550, #CFS-D305, #CFS-DW34, #CFS-D30 and others. Two sections. Extended 24", collapsed 13" and base diameter 1/8".

Order #	(ea.)
30-1180	\$10.98

MCM CUSTOM AUDIO

Keystone Mount Category 5 Baluns

Compact individual baluns combine the advantages of Cat 5 cable for interconnecting A/V components over long distances, with the flexibility of Keystone

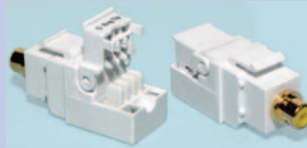


wall plates. The rear of the balun features a specially designed tool-less IDC connector for easy connection of unterminated Cat 5 Cable. The front is a RCA female connector. Configure Keystone wall plates with exactly the connections that are needed for each independent application. Baluns are effective at distances of 400' and may be intermixed with other MCM Custom Audio Baluns. Sold individually, all baluns must be used in pairs.

MCM CUSTOM AUDIO

Keystone Mount Composite Video Balun

Intended to send composite video signal over Cat 5 cable, this balun features an RCA female connector with yellow insert, for easy identification as the video path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**



Order #	(1-3)	(4-up)
50-7715	\$18.95	\$16.25

MCM CUSTOM AUDIO

Keystone Mount Composite Video Balun

Intended to send composite video signal over Cat 5 cable, this balun features a BNC female connector and is ideal for use in video surveillance applications. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**



Order #	(1-3)	(4-up)
50-7716	\$18.95	\$16.25

MCM CUSTOM AUDIO

Keystone Mount Digital Audio Balun

Intended to send digital audio (SPDIF) signal over Cat 5 cable, this balun features an RCA female connector with orange insert, for easy identification as the digital audio path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**



Order #	(1-3)	(4-up)
50-7755	\$18.95	\$16.25

MCM CUSTOM AUDIO

Keystone Mount DC Power Connection

This keystone insert features a standard barrel jack which accepts connection from most AC adaptors. It is essential when low voltage must be inserted into a Cat 5 pair for remote distribution. It is ideal for remote powering of small LCD monitors, video cameras, IR repeater systems and similar items. Rear mounted IDC connector allows simple, fast connection to unterminated 22-24AWG solid or stranded wire. Maximum voltage: 24VAC/DC, 1A. Barrel size: 2.1mm I.D., 5.5mm O.D. **Sold individually.**



Order #	(1-3)	(4-up)
50-7752	\$6.99	\$5.95

SATV/CATV



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MCM CUSTOM AUDIO

Keystone Mount Component Video Baluns

Intended to send Y/Pb/Pr component video signals over Cat 5 cable, these baluns are sold as individual red, blue and green units. Internally identical units feature RCA female connectors with the appropriate color code insert, for easy identification of each video signal path. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**

Order #	Color	(1-3)	(4-up)
50-7765	Red	\$21.95	\$18.69
50-7766	Blue	21.95	18.69
50-7767	Green	21.95	18.69



MCM CUSTOM AUDIO

Keystone Audio Baluns

Intended to send line level audio signals over Cat 5 cable, these baluns are sold as individual red and white units. Internally identical units feature RCA female connectors with the appropriate color code insert, for easy identification of left or right audio channel. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable. **Sold individually.**

Order #	Color	(1-3)	(4-up)
50-7760	Red	\$18.95	\$16.25
50-7761	White	18.95	16.25

MCM CUSTOM AUDIO

Keystone Mount 3.5mm Connector

This keystone insert features a standard 3.5mm three-conductor female jack which may be used in two or three conductor applications. It is ideal any time a 3.5mm connector is needed at a wall plate. Rear mounted IDC connector allows simple, fast connection to unterminated Cat 5 cable, or any 22-24AWG solid or stranded, UTP or shielded wire. Maximum voltage: 24VAC/DC, 1A. **Applications:** • Remote location of headphone jacks • Remote microphone connections • Remote input from PC sound card, MP3 player or iPod™ • IR repeater connection • Remote triggering of A/V components • Low voltage DC connection • **Sold individually.**



Order #	(1-3)	(4-up)
50-7753	\$6.99	\$5.95



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 **289**

MuxLab VideoEase™ HDTV Component Video/Digital Audio Balun

The component video/audio balun allows one component video (YPbPr or RGB) signal and one audio signal to be transmitted via cost-effective unshielded twisted pair (UTP) cable in a point-to-point configuration. Used in pairs, the component digital balun supports 480i/p, 720p and 1080i/p video formats for hi-definition (HDTV) video applications. **Features:** •Supports 480i/p up to 1000' (305m) and 720p/1080i/p up to 500' (152m) via Cat 5 UTP, respectively •Available with color-coded RCA cable connectors •Supports either digital audio (5000050, or 500051), or analog audio (500052, or 500053) on fourth twisted pair •Modular shielded RJ-45 connector •Used in pairs, sold separately



Order #	Mfr. #	Connectors	Audio	(ea.)
33-10060	500050	Male RCA	Digital	\$99.00
33-10061	500051	Female RCA	Digital	99.00
33-10062	500052	Male RCA	Analog	99.00
33-10063	500053	Female RCA	Analog	99.00

MuxLab RGB Baluns

The VideoEase RGB Balun allows a single red/green/blue component video signal to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The RGB balun eliminates three coaxial cables, allowing RGB audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The RGB balun works with RGB equipment that carries the synchronization pulses on one of the three color signals (ie; sync on green). The RGB balun works with LCD projectors, monitors, plasma screens, matrix switchers, splitters, converters and RGB video equipment and comes with three separate coaxial jumpers for ease of installation. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**



Order #	(ea.)
33-9595	\$109.00

MuxLab VideoEase™ Component Video Balun

The VideoEase™ Component Video Balun allows a single component video signal (Y, Pb, or Pr) to be transmitted via cost-effective unshielded twisted pair (UTP) cable. Three balun pairs are required for one complete component (YPbPr) video connection. The product allows three coaxial cables to be replaced by one Cat 5 twisted pair cable, allowing standard structured cabling techniques to be used for neater and more streamlined cabling. The component video balun is compact enough to allow three units to be connected side by side on the back of the component video equipment. **Features and benefits:** •Supports one component of the YPbPr video signal •Three balun pairs required per YPbPr connection •Up to 1,000' (305m) via Cat 5 UTP •Gold-plated connector •Cable strain relief •Compact design •Lifetime warranty •Design patent pending



Order #	Mfr. #	(ea.)
33-9755	500021	\$34.95

NEW



MuxLab VideoEase™ VGA Balun II Over UTP

Supporting distances up to 350', the VideoEase™ VGA Balun II is a passive device that fully supports VGA and SVGA (RGBHV) transmission via one Cat 5 UTP cable without the need for shielded twisted pair (STP) cable. This breakthrough technology allows VGA equipment to be deployed more easily in both new and pre-wire structured cabling environments. **Used in pairs, sold individually.**

Order #	Description	Mfr. #	(ea.)
33-9601	PC side (HD15-male)	500040	\$99.95
33-9602	Monitor side (HD15-female)	500041	99.95
33-9603	Monitor side (HD15-male)	500042	99.95



MuxLab Videoease Active VGA Balun Kit

•Extends the distance between the computer system unit and a remote display monitor by up to 480' •It accomplishes this by means of a local transmitting unit, and remote receiving unit, connected by standard Cat 5 twisted pair ethernet cable **Features:** •Uses Cat 5 ethernet cable: For economy; easy installation; and utmost data transfer reliability •High resolution video: Up to 1800 x 1440 at 100 meters •Supports VGA and SVGA monitors •Long distance transmission, up to 160m (480') •Local unit includes port for local monitor

Order #	Mfr. #	(kit)
33-10120	500035	\$349.00

NEW

MuxLab VideoEase™ Composite Video/Stereo Balun

The VideoEase™ stereo/video balun allows a single composite video signal and stereo audio signal to be transmitted via UTP cable up to 2,200' in a point-to-point connection. **Features:** •Full audio bandwidth response for high fidelity applications •20Hz-20KHz audio bandwidth •Built-in color-coded cable leads for ease of installation. **Used in pairs, sold individually.**

Order #	Mfr. #	(ea.)
33-9626	500039	\$69.00

NEW

MuxLab VideoEase™ Quad Audio Balun

The quad audio balun allows up to four analog line audio signals to be transmitted via unshielded twisted pair cable in a point-to-point connection. One pair of quad audio baluns can replace four coax audio cables with one Cat 5 cable. **Features:** •Unbalanced, line-level analog audio up to 5,000' via Cat 5 cable •Less than 1dB per pair over frequency range. **Used in pairs, sold individually.**

Order #	Mfr. #	(ea.)
33-10115	500033	\$82.50

MuxLab Stereo A/V Balun

The VideoEase Stereo Audio/Video Balun allows a single composite video signal and a maximum of two unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The Stereo Audio/Video Balun eliminates up to three coaxial cables, allowing audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The Stereo Audio/Video Balun also works in conjunction with MuxLab's Audio/Video Distribution Hub (500200) allowing audio/video programming to be distributed via UTP. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**



Order #	Mfr. #	(ea.)
33-9625	500001	\$82.95

MuxLab Videoease PS/2 Converter Balun

•Allows PS/2 devices to be located up to 350' away from the PC •Using inexpensive 4-pair Cat 5 shielded twisted pair or unshielded twisted pair cable depending on the equipment used •Used in pairs, both the #33-10100 and 33-10105 baluns eliminate the need for a local keyboard and mouse •Typical applications include corporate projection systems, classroom video instruction and video information systems



Order #	Description	Mfr. #	(ea.)
33-10100	PS/2 PC side	500046	\$35.00
33-10105	PS/2 remote PS/2 side	500045	35.00

MuxLab Dual Audio/ Video Balun

The VideoEase Dual Audio/Video Balun allows up to two composite video signals and up to two unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The Dual Audio/Video Balun eliminates up to four coaxial cables, allowing audio/video equipment to be connected via space-efficient and cost-effective Cat 5 twisted pair cable. The Dual Audio/Video Balun also works in conjunction with MuxLab's Audio/Video Distribution Hub (500200) allowing audio/video programming to be distributed via UTP up to eight locations. **Features:** Up to 2200' (670m) in color via Cat 5 UTP. Pair required for use, **sold individually.**



Order #	Mfr. #	(ea.)
33-9610	500012	\$82.95



MuxLab Videoease Quad Video Balun

•Developed for the security video and audio-video markets, the quad video balun allows up to four composite video channels to be transmitted over one Cat 5 cable, thus replacing up to four coaxial cables for more cost-efficient cabling •Supporting composite video up to 2,200' (670m) via Cat 5 cable and works in pairs •Streamlining cabling in applications such as security video, video-conferencing, classroom instruction, tradeshow demos, PC-training, airline information systems and home entertainment systems •Used in pairs, sold individually

Order #	Description	Mfr. #	(ea.)
33-10110	Quad VGA balun	500032	\$82.50

MuxLab

SATV/CATV



section
14

MuxLab VideoEase™ Audio Balun

The VideoEase™ Audio Balun allows any unbalanced analog audio signal to be transmitted via a single unshielded twisted pair (UTP) cable for more versatile cabling. Used in pairs, the audio balun eliminates costly and bulky coax cable, allowing consumer and commercial audio equipment to be connected using standard premises wiring techniques. One or two pair of baluns are required depending on whether the application is for monaural or stereo audio. The audio balun features screw terminals and built-in cable strain relief for ease of installation and reliable connectivity. Applications include auditoriums, arenas, schools, home theater systems, airports, hotels, hospitals, conference rooms.

Features and benefits: •Eliminates coax cable •Up to 5,000' (1.5km) via Cat 5 UTP •20~20KHz bandwidth •Gold-plated RCA connector •Cable strain relief •Compact design •Lifetime warranty •Design patent pending

Order #	Mfr. #	(ea.)
33-9745	500019	\$34.95



MuxLab VideoEase LongReach™

The VideoEase LongReach™ is an active CCTV receiver balun that provides extended distance between the CCTV camera and the DVR or multiplexer via copper twisted pair cable. The LongReach™ features automatic image adjustment for picture brightness, sharpness and contrast, thereby helping to reduce on-site service calls. The LongReach™ supports up to 5,000' (1.5 km) via Cat 5 twisted pair cable when used in conjunction with MuxLab's passive CCTV baluns (500000 and 500009). **Features and benefits:** •Automatic image adjustment helps eliminate service calls •Up to 5,000' (1.5km) via Cat 5 UTP •Connects directly to the DVR, multiplexer or switcher •Works with MuxLab passive CCTV baluns •Eliminates the need for fiber or coax •Supports NTSC or PAL •Requires 24VAC (not supplied) •Ground loop blocking •Voltage surge protection •Auto-resettable fuse •LEDs for power, video and ground loop fault •Cable strain relief •1 year warranty

Order #	Mfr. #	(ea.)
33-9735	500015	\$250.00



MuxLab VideoEase™ CCTV Pass-Thru Balun

The VideoEase™ CCTV Pass-Thru Balun allows video, two-wire PTZ control, and remote power to be transmitted via one 4-pair Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the CCTV security and surveillance environment. The pass-thru balun may be used in pairs, or in conjunction with standard twisted pair cross-connect devices and other MuxLab CCTV baluns such as the 500000, 500009, 500023 and 500015. **Features:** •Combines video, PTZ control and remote power under one 4-pair cat 5 cable for more efficient cabling •Video up to 2,200' (670m) via Cat 5 UTP •Remote power up to 350' (106m) @ 24VAC/5VA via two twisted pairs

Order #	Mfr. #	(ea.)
33-10065	500022	\$39.00



MuxLab VideoEase™ MonoPro™ XLR

The MonoPro™ XLR connectors allow a standard AES analog or digital audio channel to be connected via Cat 5 unshielded twisted pair cable (UTP) in the professional audio environment. The product features rugged cable strain relief and comes with locking XLR3 connectors for added cabling versatility. **Features:** •Rugged cable strain relief •Line analog audio up to 5,000' (1.5km) via Cat 5 •Digital audio up to 1,400' (426m) via Cat 5 •Wires terminate inside product •Locking XLR3 connector •Optional wire terminal for ground/shield (if required) •Up to 5,000' and 1,400' via Cat 5 for analog or digital audio, respectively.

Order #	Mfr. #	Description	(ea.)
33-10050	500025	MonoPro™ XLR male	\$35.00
33-10055	500026	MonoPro™ XLR female	35.00



MuxLab S-Video Baluns

The VideoEase S-Video Balun allows a single S-video signal to be transmitted via unshielded twisted pair (UTP) cable up to 1000' (305m) in a point-to-point connection. The product is available in two models; the S-Video Balun (500016) and the S-Video/Audio Balun (500017). Used in pairs, the S-Video Balun eliminates costly and bulky S-video cable, allowing S-video equipment to be connected or moved to any convenient modular outlet. The S-Video Balun also works in conjunction with MuxLab's Audio-Video Distribution Hub (500200) to allow S-video programming to be distributed via UTP. Some of the applications are; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks. **Note:** Baluns must be used in pairs and are sold individually. •Sold individually

Order #	Mfr. #	Description	(ea.)
33-9585	500016	S-Video	\$34.95
33-9590	500017	S-Video and Audio	79.95

MuxLab CATV Balun

The VideoEase CATV Balun allows traditional 75ohm coaxial cable to be replaced by a single pair of Cat 5 UTP cable in the CATV, VHF and FM environments in certain applications. The CATV Balun allows broadband CATV equipment to be integrated into structured cabling systems thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet. The VideoEase CATV Balun provides a versatile cabling solution for broadband video systems used by schools, government, corporations, hospitals, financial institutions, hotels and convention centers. The CATV balun works in conjunction with CATV splitters, amplifiers and cable modems for a total cabling solution. **Features:** Low return loss eliminates "ghosting". Pair required for use, sold individually.

Order #	Mfr. #	(ea.)
33-9630	500302	\$59.95



NEW MuxLab 16 Port Rackmount Balun Chassis

The rackmount balun chassis is designed as a head-end cable management solution to allow any combination of MuxLab square baluns to be installed in a 19" relay rack. **Features:** •Supports up to 16 baluns •Baluns install forward rear-facing •Space efficient, 2U height •Latching mechanism for secure installation •Snap-in design for ease of installation •Includes four rackmount screws and washers •Slot number silkscreen on front and rear •Mfr. #500900

Order #	(ea.)
33-9620	\$259.00



NEW MuxLab 16 Port Passive CCTV Hub

The passive 16 port CCTV hub allows video, remote power and PTZ control to be transmitted via one Cat 5 cable, thus eliminating the need to install multiple cables for more efficient cabling in the security video environment. The model 500130 features female BNC connections for coax video output, and the 500131 has female RJ-45 connectors for twisted pair video output. **Features:** Space efficient 1U height •Supports up to 16 inputs •Port switch to set power-thru, or pass-thru •Pin configuration table on unit •Works in conjunction with 500000, 500009, 500015, 500022, 500023, 500024, 500029 and 500120 baluns.

Order #	Mfr. #	(ea.)
33-10125	500130	\$525.00
33-10130	500131	525.00



MuxLab Audio/Video Hub

The VideoEase Audio-Video Hub allows up to two baseband composite or one S-video signal and up to two audio signals to be distributed to up to eight destinations via twisted pair (UTP) cable for more cost-effective and versatile cabling. The Audio-Video Hub when used in conjunction with MuxLab's line of VideoEase baluns, allows coaxial cable to be eliminated between the audio-video source and the destinations. The product works with the CCTV Baluns (500000, 500009), Stereo Audio-Video Balun (500001), Dual Audio-Video Balun (500012) and S-Video Baluns (500016, 500017). A looping output allows the source input to be distributed to other baseband audio/video equipment including matrix switchers, multiplexers, VCRs and monitors. **Applications include:** Classroom audio/video instruction, corporate audio/video presentations, tradeshow demonstration systems, CCTV security and surveillance. **Features:** Up to 2200' in color via Cat 5 twisted pair cable. 2-year warranty.

Order #	Mfr. #	(ea.)
33-9615	500200	\$649.00



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 291

Take advantage of Cat 5 (or higher) cable for interconnecting A/V components over long distances. Common signal formats such as composite video, RGB component video, S-video and line level audio can easily be sent over UTP cable distances up to 400'. In retrofit applications, utilize existing unused pairs of Cat 5 data cable already in place. In new construction, take advantage of the smaller size and lower cost of Cat 5 cable when distributing signals throughout the structure. Housed in compact ABS enclosures, each balun accepts standard RJ-45 male connectors. Completely passive design, these units require no power. Each unit is clearly labeled to identify which RJ-45 connector pair is used for the designated signal path. **Sold individually, all baluns must be used in pairs.**



MCM CUSTOM AUDIO Component Video Balun

Use to send Y/Pb/Pr component video signals over Cat 5 cable. This balun features three gold plated male RCA connectors on the end of 8" pigtails color coded red, green and blue. Additionally, a female orange RCA connector provides path for digital audio (SPDIF). Included is a hook and loop tape set which allows direct attachment to the rear of plasma and other monitors. Cat 5 connection is a single female RJ-45 jack. Utilizes four pairs: •Red: Pin 7/8 •Green: Pin 3/6 •Blue: Pin 1/2 •SPDIF: Pin 4/5
Specifications: •Distance: 400' max (Cat 5) •Dimensions: 1.0" (H) x 3.2" (W) x 2.4" (L)

Order #	(1-3)	(4-up)
50-7722	\$59.95	\$49.95

MCM CUSTOM AUDIO

Audio/Video to Category 5 Balun System

MCM CUSTOM AUDIO Component Video Balun

Use to send Y/Pb/Pr component video signals over Cat 5 cable. This balun features three gold plated female RCA connectors, color coded red, green and blue, and a single female RJ-45 jack. Utilizes three Cat 5 cable pairs: •Red: Pin 7/8 •Green: Pin 3/6 •Blue: Pin 1/2
Specifications: •Bandwidth: 50Hz~8MHz •Dimensions (excluding connectors): 1.0" (H) x 3.2" (W) x 2.4" (L)

Order #	(1-3)	(4-up)
50-7720	\$49.95	\$42.50



MCM CUSTOM AUDIO L/R Audio Balun

Use to send two channels of unbalanced line level audio over Cat 5 cable. This balun features two gold plated female RCA connectors, color coded red and white, and a single female RJ-45 jack. Utilizes two Cat 5 cable pairs: •Red: Pin 1/2 •White: Pin 3/6
Specifications: •Bandwidth: 10Hz~50KHz •Dimensions (excluding connectors): 0.85" (H) x 1.69" (W) x 1.94" (L)

Order #	(1-3)	(4-up)
50-7725	\$29.95	\$26.26



MCM CUSTOM AUDIO L/R Audio/Video Balun

Use to send composite video, plus two channels of unbalanced line level audio over Cat 5 cable. This balun features three gold plated female RCA connectors, color coded red, white and yellow, and a single female RJ-45 jack. Utilizes three Cat 5 cable pairs: •Red: Pin 1/2 •White: Pin 3/6 •Yellow: Pin 7/8
Specifications: •Video bandwidth: 10Hz~50KHz •Dimensions (excluding connectors): 1.0" (H) x 2.36" (W) x 3.22" (L)

Order #	(1-3)	(4-up)
50-7730	\$39.95	\$33.95



MCM CUSTOM AUDIO S-Video Balun

Use to send S-video signal over Cat 5 cable. Independent balun circuits provide separate paths for chroma and luminance signals, utilizing two pairs of Cat 5 cable. This balun features a female 4 pin S-video connector, and female RJ-45 jack. Utilizes pin 7/8 (luminance) and pin 4/5 (chroma).
Specifications: •Bandwidth: DC~6MHz •Dimensions: 1.19" (dia.) x 2" (L)

Order #	(1-3)	(4-up)
50-7735	\$19.95	\$17.46



#33-10256

e-labs HDTV Audio/Video Distribution Hub and Receiver

Distribute high definition component video and digital or left or right audio over extended distances using Cat 5e wire. Video and audio loop output to accommodate future expansion to additional Cat 5e transmitters and receivers. Supports 1080i video up to 300' with Cat 6. **Transmitter features:** •Active amplification ensures high-quality •Discrete passive IR channel for external remote controls •Two RJ-45 outputs for additional location. **Receiver features:** •Cable length equalizer for long distances •Video continuity LEDs to ensure all signals are transmitting •IR output

Order #	Mfr. #	Description	(ea.)
33-10255	Cat5TX	Transmitter	\$109.00
33-10256	Cat5RX	Receiver	129.00



e-labs Component Video Distribution Amplifier

Allows for multiple signal distribution equal to the source signal input. Four-way audio/video component-video distribution amplifier for Y, Cb, Cr and Y, Pr, Pb applications. Features high performance, low distortion and true one-to-one signal ratio. These professional grade amplifiers are cascable for use in large displays and are enclosed in metal housings to reduce interference. Mfr. #AV400COMP.

Order #	(ea.)
33-7050	\$119.00



e-labs S-Video Distribution Amplifier

Allows for multiple signal distribution equal to the source signal input. Four way audio/video distribution amplifier with S-video inputs and outputs. Features high performance, low distortion and true one-to-one signal ratio. These professional grade amplifiers are cascable for use in large displays and are enclosed in metal housings to reduce interference. Mfr. #AV400SV.

Order #	(ea.)
33-7045	\$99.95



e-labs High Performance Distribution Amps

These high performance distribution amplifiers feature specifications such as a true one-to-one ratio, no signal loss, low noise, low distortion and unity gain.

Order #	Mfr. #	Outputs	(ea.)
33-6875	AV400	Four	\$64.95
33-6880	AV700	Seven	79.95

MCM CUSTOM AUDIO

L/R Audio Plus S-Video Balun

Use to send S-video, plus two channels of unbalanced line level audio, over Cat 5 cable. Independent balun circuits provide separate paths for chroma and luminance signals, and left and right audio signals, utilizing four pairs of Cat 5 cable. This balun features a female 4 pin S-video connector, two gold plated female RCA connectors, color coded red and white, and a female RJ-45 jack.

Specifications: • Pairs utilized: Luminance 7/8, Chroma, 4/5, Audio (red) 1/2, • Audio (white) 3/6 • Video bandwidth: DC~6MHz • Audio bandwidth: 10KHz~50KHz • Dimensions (excluding connectors): 1.0" (H) x 2.36" (W) x 3.22" (L)

Order #	(1-3)	(4-up)
50-7740	\$49.95	\$43.78



MCM CUSTOM AUDIO

BNC Video + DC Power Balun

Use to send composite video signal and low voltage DC over Cat 5 cable. This balun's very compact size and male BNC connector makes for easy attachment directly to equipment such as monitors, processors and cameras. In addition to the BNC connection, two screw terminals are provided for direct access to a second cable pair. This is ideal for remotely providing DC power to devices such as surveillance cameras and small LCD television monitors. Utilizes two cable pairs: • Pin 7/8 video • Pin 4 power (+) • Pin 5 power (-) **Specifications:** • Bandwidth: 50Hz~8MHz • Maximum recommended distance for power: 300' (using 12VDC, 500mA) • Dimensions (excluding connector): 1.0" (H) x 0.85" (W) x 2.0" (L)

Order #	(1-3)	(4-up)
50-7745	\$16.95	\$14.94



MCM CUSTOM AUDIO

BNC Video Balun

Use to send composite video signal over Cat 5 cable, this balun's very compact size and male BNC connector makes for easy attachment directly to equipment including monitors, processors and cameras. Due to their low cost, and slim design, multiple units may be connected side-by-side to equipment. A specially designed tool-less IDC connector provides quick, reliable connection to unterminated Cat 5 cable.

Specifications: • Bandwidth: 50Hz~8MHz • Dimensions (excluding connector): 0.625" (H) x 0.625" (W) x 1.563" (L)

Order #	(1-3)	(4-up)
50-7750	\$14.49	\$12.88



MCM CUSTOM AUDIO

Video Balun

Use to send composite video signal over Cat 5 cable. This balun features a gold plated female RCA connector, and female RJ-45 jack. Screw terminals are available for connecting unterminated Cat 5 cable. Utilizes one pair (pin 7/8) of Cat 5 cable. **Specifications:** • Bandwidth: 50Hz~8MHz • Dimensions (excluding connector): 1.0" (H) x 0.85" (W) x 2.0" (L)

Order #	(1-3)	(4-up)
50-7710	\$15.95	\$14.16



SATV/CATV



MCM CUSTOM AUDIO

RCA Composite Video Balun

NEW

Use to send composite video signal over Cat 5 cable, this balun features very compact size, and a male RCA connector for easy attachment directly to equipment including monitors, VCRs, DVD players, processors and cameras. A specially designed tool-less IDC connector provides quick, reliable connection to unterminated Cat 5 cable. **Specifications:** • Bandwidth: 50Hz~8MHz • Distance: 400' max, using 24AWG UTP • Dimensions (excluding connector): 0.813" (H) x 0.813" (W) x 1.875" (L)

Order #	(1-3)	(4-up)
50-7748	\$14.49	\$12.88

MCM CUSTOM AUDIO

Two Channel Balanced Audio Balun

Send two balanced channels of line level audio over a single Cat 5 cable at distances of up to 1000'. Rugged steel housing features two XLR connectors on one side, and a single female RJ-45 connector on the other. **Specifications:** • Frequency response: 10Hz~50KHz, -0.5dB, +4dB • THD: 0.1% @1KHz • Dimensions: 1.1" (H) x 3.5" (W) x 2.5" (D) • Male and female models may be intermixed • Sold individually, baluns must be used in pairs

Order #	XLR	(1-3)	(4-up)
50-7727	Female	\$59.95	\$53.96
50-7728	Male	59.95	53.96



Component A/V HDTV Distribution Amplifier

Allows for multiple signal distribution equal to source signal input. Distribute digital/HDTV and analog television signals from a single A/V source to nine televisions/receivers, or use one of the output ports to cascade additional distribution amplifiers. **Features:** • Component video (Y, Pr, Pb) and audio distribution • Compatible with all HDTV, digital and analog signals • High performance, low distortion, one-to-one signal ratio ensures equal picture quality • Unlimited cascade capability • Mfr. #AV901COMP

Order #	(ea.)
33-10080	\$159.00



Component A/V HDTV Distribution Amplifier with Digital Audio

Allows for multiple signal distribution equal to source signal input. Distribute digital/HDTV and analog television signals, including digital audio and composite video from a single A/V source to nine televisions/receivers, or use one port as a loop-thru output port to cascade additional distribution amplifiers. **Features:** • Component video (Y, Pr, Pb, or Y, Cr, Cb), composite video and SPDIF digital audio distribution • Compatible with all HDTV, digital and analog signals • High bandwidth (>50MHz) performance, low distortion, and one-to-one signal ratio ensures equal picture quality. Power: 9~10VAC, 500mA adaptor included. Mfr. #AV901HD.

Order #	(ea.)
33-10090	\$239.00



Component A/V HDTV Switch with Digital Audio

Allows the connection of up to four HD A/V sources (e.g., VCR, DVD, digital receiver, set-top-box) to two common sets of output jacks. The common output jacks can be used to drive two TVs, or one TV and one VCR recorder, for example. **Features:** • Component video (Y, Pr, Pb) • SPDIF digital or analog audio • Compatible with all HDTV, digital and analog signals • High bandwidth (>50MHz) performance, low crosstalk, and one-to-one signal ratio ensures equal picture quality • IR remote control included. Power: 9~10VAC, 500mA adaptor included. Mfr. #SW401HD.

Order #	(ea.)
33-10095	\$159.00



e labs

Allows for multiple signal distribution equal to source signal input. Distribute digital/HDTV and analog television signals, including digital audio and composite video from a single A/V source to five televisions/receivers, or use one loop-thru output port to cascade additional distribution amplifiers. **Features:** • Component video (Y, Pr, Pb, or Y, Cr, Cb), composite video and SPDIF digital audio distribution • Compatible with all HDTV, digital and analog signals • High bandwidth (>50MHz) performance, low distortion, and one-to-one signal ratio ensures equal picture quality. Power: 9~10VAC, 500mA adaptor included • Mfr. #AV501HDX

Order #	(ea.)
33-10087	\$169.00



Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 293



PHILIPS HDMI Three-Way Switcher

Get the most out of HDTV! • Connect three HDMI sources to a single input on a TV • Automatically switches to the selected source • Switch between sources without compromising the signal • Full 1080p transmission • HDCP compliant

Order #	(1-4)
SWV6813/17	\$99.95



Get crystal-clear, high-definition HD video and multi-channel audio for the ultimate home theater experience. These advanced switches connect up to three HDMI components to a single HDTV, and automatically switch between source components when powered on.

Order #	Description	Power	(ea.)
33-10270	2 x 1 HDMI switch	Self-powered	\$59.95
33-10275	3 x 1 HDMI switch	5VDC powered adaptor included	79.95



Multiple Source HDMI Distribution Amplifiers

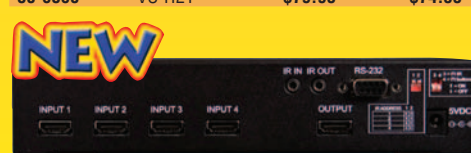
Splits, amplifies and extends two, or four HDMI source inputs (eg. digital cable box, DVD player) to up to eight HDMI HDTV displays (eg., HDTV, LCD projector). Use as an extender by placing at the end of a long HDMI cable to regenerate the HDMI signal. **Features:** • Supports high definition resolutions up to 1080p and UXGA • H.D.C.P. (High-Bandwidth Digital Content Protection) compliant • HDMI v1.2 compliant • Total transmitting range: 100' (1080p); total length. **Specifications:** • Video amplifier bandwidth: 1.65GHz compatible • Single link range: 1080p (1920 x 1200) • Vertical frequency range: 60Hz • Power consumption: 10W, max • Input DDC signal: 5V p-p • HDMI output: 5VDC, 500mA.

Order #	Description	Dimensions (LxWxH)	(ea.)
33-10422	2-in x 4-out	8.07" x 4.55" x .79"	\$399.00
33-10423	3-in x 8-out	13.7" x 6.71" x 1.26"	599.00



• Switch between any two HDMI inputs • Compatible with any HDMI source • Supports up to 1080p resolutions and is HDMI, HDCP and DVI compliant **Features:** • Two HDMI Inputs, one HDMI output • Signal enhancement feature; improve signal quality of longer cable runs • LED power, enhancement and source indicator lights • Manual input selection with buttons on unit **Includes:** • HDMI switcher and AC adaptor

Order #	Mfr. #	(1-9)	(10-up)
80-6860	VS-H21	\$79.95	\$74.55



sima 1 x 4 HDMI Distribution Amplifier

• One HDMI input, four HDMI outputs • Signal enhancement feature improve signal quality by simply touching a button • LED indicator light on each output • Slim design, less than 1" thick! • Slim size remote included **Specifications:** • HDMI 1.1, HDCP 1.1, and DVI 1.0 compliant • Supported input resolutions: PC - VGA, SVGA, XGA, SXGA, UXGA (1600x1200), HDTV - 480i, 576i, 480p, 576p, 720p, 1080i and 1080p • Frequency bandwidth: 1.65gbps (single link) • Inputs: 1 x HDMI type A female ports • Output: 4 x HDMI single link female port • Dimensions: 7.9" x 4.1" x .9" • Weight: 1.25 lbs. • 5V universal power supply included

Order #	(1-9)
80-6840	\$429.00



Extend the combined total length of your HDMI cable up to 115' with this internally powered HDMI signal repeater. **Specifications:** • Video amplifier bandwidth: 1.65GHz compatible • Format support: DVI, HDCP • Resolution support: 480p, 720i, 720p, 1080i, 1080p (up to UXGA - 1600 x 1200) • Input/output connectors: HDMI type A. • Power: 5VDC internal power (from HDMI source).

Order #	(ea.)
33-10280	\$79.95



Single Source HDMI Distribution Amplifiers

Splits, amplifies and extends a single HDMI source input (eg. digital cable box, DVD player) to two or four HDMI HDTV displays (eg., HDTV, LCD projector), simultaneously. Ideal for home theater, conferences, conventions, restaurants, school and corporate training presentations. Use as an extender by placing at the end of a long HDMI cable to regenerate the HDMI signal. **Features:** • Supports high definition resolutions up to 1080p and UXGA • H.D.C.P. (High-Bandwidth Digital Content Protection) compliant • HDMI v1.2 compliant • Total transmitting range: 100' (1080p); total length. **Specifications:** • Video amplifier bandwidth: 1.65GHz compatible • Single link range: 1080p (1920 x 1200) • Vertical frequency range: 60Hz • Power consumption: 10W, max • Input DDC signal: 5V p-p • HDMI output: 5VDC, 500mA.

Order #	Description	Dimensions (LxWxH)	(ea.)
33-10420	1-in x 2-out	4.72" x 2.62" x .79"	\$149.00
33-10421	1-in x 4-out	8.5" x 4.5" x 1.0"	199.00



sima 3 x 1 HDMI Switch

• Three HDMI inputs, one HDMI output • Signal enhancement feature improves signal quality by simply touching a button • LED source indicator light • Slim design, less than 1" thick! • Slim size remote included **Specifications:** • HDMI 1.1, HDCP 1.1, and DVI 1.0 compliant • Supported input resolutions: PC - VGA, SVGA, XGA, SXGA, UXGA (1600x1200), HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p • Frequency bandwidth: 1.65gbps (single link) • Inputs: 3 x HDMI type A female ports • Output: 1 x HDMI single link female port • Dimensions: 7.9" x 4.1" x .9" • Weight: 1.25 lbs. • 5V universal power supply included

Order #	(ea.)
80-6780	\$129.00



sima Audio Video Switcher with Component Video

Provides the necessary A/V inputs for adding components to your TV and home theater system. Has five audio/video inputs including component video, S-video and digital audio plus dual outputs to feed your TV and either a receiver or VCR for recording. The VS-502 will help make the transition to HDTV easy! **Features:** • Easy video conversion: Switch between three different video types including up-converting composite to S-video and composite and S-video to component video. • Auto input sensing: Detects the current unit in use and automatically connects to that input, without having to push any buttons! • Automatic volume stabilization: Volume compression setting pulls loud and soft sounds toward a mid-point in the dynamic range. • Two independent output channels: Two outputs let you select one source for viewing (like the DVD) to watch on your TV and a second source for recording (like the DSS) to feed to your VCR for recording at the same time.

Order #	Mfr. #	(1-9)	(10-up)
80-6690	VS-502	\$186.00	\$181.28



MCM Remote Control Audio/Video Selector

This switcher can handle almost any consumer audio/video device you can throw at it. With the most common audio and video inputs; S-video, composite video, toslink digital audio and line level audio, you can connect your DVD, satellite receiver, VCR or game system to your home entertainment system. The switcher has three audio/video inputs and one audio/video output and an ultra thin remote control.

Order #	(ea.)	(2-4)	(5-up)
33-7755	\$59.95	\$58.50	\$57.17

Don't See The Part You Need?
Call our Quotes Team
1-800-543-4330
email quotes@mcmelectronics.com



MCM CUSTOM AUDIO

BACK

S-Video Distribution Amplifier/Selector

Tabletop distribution amplifier allows selection between two A/V inputs and provides six outputs. Separate paths are provided for composite video and S-video sources. Independent left and right audio signal paths allow compatibility with stereo sources. Front panel pushbutton AV1 or AV2 input source, or select automatic mode, which sets AV2 as the default input, automatically switching to AV1 when a signal is present (switching based on the presence of audio signal). An internal amplifier maintains signal quality when distributed to all six outputs. Gain at each output is 2dB over input signal level. Front panel 1/4" stereo headphone jack, with level control. Rugged metal enclosure measures 1 1/4" (H) x 11 1/2" (W) x 5 1/4" (D), including non-skid rubber feet. **Note:** Either composite or S-video inputs may be utilized, but not both. Requires 12VDC, AC adaptor included.

Order #	(1-3)	(4-up)
50-7775	\$59.95	\$55.57



A/V Digital Analog Selector with IR Remote

Full-featured switcher connects up to three "like-kind" sources (HDMI to HDMI, VGA to VGA, etc.) to a single HDTV display. **Features:** •HDMI, VGA, RGB component video, and composite A/V connections •Delivers clean, uncompressed digital signals •Engineered for optimal signal transfer and minimal signal loss •Built-in HDMI output signal extender up to 100' (total length) •H.D.C.P. (High-Bandwidth Digital Content Protection) Compliant •Supports high definition 1080p and UXGA •Compact, time-saving LED illuminated control center and easy selection with remote control or front panel push-button controls •Power: 6V,400mA AC/DC power adaptor (included) •Dimensions: 12 1/2" x 6" x 2 1/4".

Order #	(ea.)
33-10424	\$159.00

Three-Way Audio/Video Switch Box

Tabletop control box allows selection of multiple A/V sources. Ideal when connecting several devices, such as CCTV cameras, camcorders, VCRs, laser disk players and satellite receivers to a single video monitor or VCR. Accommodates video and left and right audio, all connections are all RCA type female. Metal case has non-skid rubber feet and stays securely in place. Dimensions: 6.9" (W) x 2.2" (H) x 3.9" (D). Sloped front, black color.

Order #	(1-5)	(6-9)	(10-up)
50-6195	\$18.49	\$17.02	\$14.27



MCM CUSTOM AUDIO

Six-Way Video Selector

Tabletop video switcher provides independent selection of up to six A/V sources, routing them to two different destinations. Select from inputs such as a satellite receiver, digital cable box, DVD player, DVR, VCR or video game. Dual outputs, with independent selectors, allow easy recording of one source, while viewing another, or viewing of two different sources on separate monitors. Inputs and outputs are standard line level L/R audio, composite video, and S-video. S-video connections are standard four-pin DIN female, all others are RCA type female. Rugged metal enclosure measures 1 1/4" (H) x 11 1/2" (W) x 5 1/4" (D), including non-skid rubber feet. **Note:** Either composite or S-video inputs may be utilized, but not both. This selector will not convert from one video format to the other. Passive device requires no power.

Order #	(1-3)	(4-up)
50-7780	\$37.89	\$35.12

RCA

Video Source Selector

•Easily connects up to four home theater components to one output
•S-video or composite audio/video connections
•Includes remote control

Order #	(ea.)
VH915	\$54.95



SATV/CATV



section
14

Stellar Labs

Video Ground Loop Isolator

Ground loops in composite video systems can cause video distortions such as herringbone and AC beat. Uniquely designed to eliminate ground loop related distortions, this transformer features RCA female-to-female connectors with a separate 9' RCA male-to-male pigtail cable that facilitates multiple installation configurations and helps reduce cable connector strain. **Specifications:** •Insertion loss: <0.5db •Frequency response: 0-3db @ 10MHz •Input/output resistance: 75ohm •Built in 600VDC transient voltage surge suppression (12V RMS) •No power required (passive).

Order #	(1-3)
33-6927	\$29.95



Audio/Video Amplifiers

•Perfect for in-store display demonstration walls or karaoke display •One input distributes four or six amplified outputs •Video and stereo sound input via RCA jacks •Four or six outputs, video and stereo sound via RCA jacks •Frequency range: 20Hz~10KHz •Isolation: 30dB minimum •Video input: 75ohm •Audio input: 20Kohm •Operates from 15V/300mA adaptor •Adaptor included

Order #	Description	(ea.)
32-4430	Four-way	\$29.95
32-4435	Six-way	39.95



S-VHS A/V Switch

S-VHS A/V selector switch for use with DSS, DVD and other video products with Y/C (S-VHS) outputs. Four Y/C inputs for video and four RCA stereo inputs for audio to one Y/C output and one RCA audio output. **Specifications:** Band width, 20Hz~10MHz. Isolation: 30dB minimum.

Order #	(ea.)
33-4135	\$19.95



MCM

Rear Panel A/V Extenders

Easily connect and re-connect video games, camcorders and portable audio/video devices to your television's audio/video inputs without having to turn the television around each time. These extenders will save your back from strains and virtually eliminate the danger of dropping your television every time you plug into the A/V inputs. Standard A/V inputs via "RCA" type jacks on the front or side of your television and "RCA" type plugs for the rear. Available with S-video capability for such equipped devices.

Order #	Description	(ea.)	(2-4)	(5-up)
24-6595	A/V and S-video (shown)	\$14.95	\$13.50	\$12.00
24-6600	A/V only	12.95	11.50	10.75



PHILIPS

High Definition Automatic Switcher

•Hook up multiple video game systems, DVDs, VCRs, and any other A/V device to any TV that lacks the required number of AV inputs •4 inputs allow you to automatically switch between desired components •Features 4 audio/video, S-video, and component inputs; composite, S-video and component out •Component inputs provide ultimate picture performance and are found on most quality TVs/HDTVs and DVDs •Easy to hook-up and prevents cable swapping issues that could result in the jacks on the TV needing to be replaced.

Order #	(1-4)
PH61150	\$29.95

MCM

Composite Video to S-Video Adaptor

This high quality adaptor converts composite video to S-video and S-video to composite video. With a male S-VHS connector on one end and a female RCA type connector on the other (#33-0001), only a standard RCA type video cable is required for connection or you can match the S-video adaptor to your cables. The adaptor measures only 1 1/4" long and 1/2" in diameter allowing it to plug directly into the equipment and solves the problems associated with mixing composite and S-video inputs and outputs. **Note:** This unit is a passive device and although it will allow composite video signals to be used in S-video inputs the signal will remain the quality of composite video.

Order #	Description	(ea.)	(2-up)
33-0001	S male to RCA female	\$7.39	\$7.10
33-0002	S female to RCA female	5.99	5.77
33-0003	S female to RCA male	5.99	5.77



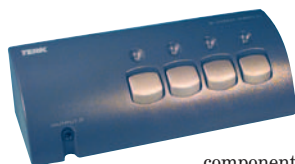
Order Toll Free 1-800-543-4330 Fax 1-800-765-6960 295



MCM CUSTOM AUDIO A/V Distribution Amplifier/Selector

Tabletop distribution amplifier allows selection between two A/V inputs and provides up to four outputs. Independent left and right audio signal paths allow compatibility with stereo sources including CD/DVD players, VCRs, video games and satellite receivers. Front panel pushbutton selects between two input sources, and internal amplifier maintains signal quality when distributed to four outputs. Gain at each output is 2dB over input signal level. Rugged metal enclosure measures 1 1/2" (H) x 7" (W) x 2 1/2" (D), including non-skid rubber feet. Color-coded input/output connections are RCA type female. Requires 12VDC, AC adaptor included.

Order #	(1-3)	(4-up)
30-1376	\$26.29	\$24.43



TERK TECHNOLOGIES Audio/Video Selector

Connect four audio/video

components and a set of powered speakers to your TV, all at one time. This means no more hassels connecting and reconnecting A/V components. Terk's Video Selector features multiple S-video jacks so you can optimize the performance of all your components. Mfr. #VS-4.

Order #	(ea.)
80-4760	\$41.20

MCM Electronic Fiber Optic Switches

These optical selector switches allow you to expand the inputs of your optical devices. No need to swap your expensive optical cables between multiple recorders and players. This switch features four Toslink inputs and two Toslink outputs for maximum flexibility. The construction of these units provides optimum light signal transfer for high quality recording and playback.



Order #	(ea.)
24-6590	\$81.08

SONY Game and Video Selector

•Audio/video selector with connection capabilities for 3 audio/game inputs •Sleek compact design •Passive design requires no power supply



Order #	(ea.)
SB-V31G	\$16.59



Audio/Video Matrix Switcher

Put an end to cable swapping and take control of your audio/video system like never before. Video matrices allow you to send audio/video signals from any of the eight inputs to any of the eight outputs with the touch of a button. The audio/video from any source connected to the matrix can easily be routed to the input of any audio/video device connected to the matrix. The matrix can split the audio and video sources allowing you to add music to a video dub. Control the operation from a PC via the RS-232C port. Genlock inputs provide steady video signals for optimum picture quality. This Matrix is a cost effective solution for home audio video systems, home theaters, video production facilities and schools. **Specifications:** **Video:** Composite input/output, 1V p-p, 75ohm. S/N ratio: <60dB. Crosstalk: <60dB. Connectors: BNC (use #27-405 with RCA type video cables). **Audio:** Input/output: High impedance, unbalanced. THD: <0.1%. Frequency response: 20Hz~20KHz, +/- 3dB. S/N ratio: >90dB. Crosstalk: <90dB. Power: 120VAC, 60Hz.

Order#	(ea.)
33-7760	\$442.79



Remote Control A/V Switch

Easily select from as many as four separate A/V inputs by remote control. Ideal for home theater

systems where the base band A/V signal is the desired source. **Specifications:** Band width: 20Hz~10MHz. Gain: 1dB. Isolation: 50dB minimum. Inputs: Four sets via RCA type connectors. Outputs: Two sets via RCA type connectors. Power source: 120VAC, 300mA.

Order #	(ea.)
33-4140	\$50.95



Audio/Video Selector

•Perfect for the entertainment center
•Combines four different video devices (VCR, laser disc player,

etc.) into one output •Compatible with both mono and stereo devices •Four audio/video inputs, one audio/ video output •20Hz~10MHz frequency range •Isolation 30dB minimum

Order #	(ea.)
32-4420	\$17.95

sima Audio/Video Switcher

Add additional components to your TV and home theater system by providing additional A/V inputs to your system. Four A/V inputs including composite video and Y/C (S-video). Mfr. #SVS-14.



Order #	(ea.)
80-3450	\$29.95

Coaxial Cable Switch

•Two input, slide type A/B switch for CATV, MATV, MDS, SATV, and VCR applications •Offers a quick selection from regular TV antenna and cable VCR or other input sources •60dB isolation typical •5~900MHz bandwidth •Output 75ohm



Order #	(1-9)	(10-up)
33-380	\$3.99	\$3.58

Remote Control A/B Switch

•Allows you to switch between two 75ohm inputs (cable, antenna, satellite or dual cable systems) •75ohm output (TV) •AC adaptor: 120VAC/12VDC, 100mA included •5MHz~900MHz bandwidth •89dB isolation •UL listed •Remote requires two "AA" batteries not included



Order #	Description	(ea)	(2-up)
32-4425	Switch	\$27.95	\$23.64
32-4426	Replacement remote	7.95	-

SONY Audio/Video Selector

•SB-V40S accommodates four audio/video sources with a choice of S-video or composite video connections •Adds flexibility to existing systems **Specifications:** •Inputs: Four A/V inputs with S-video (Y/C) jacks and composite video phono jacks, L/R audio phono jacks •Output 1: A/V output with S-video (Y/C) jack and composite video phono jack, L/R audio phono jacks •Output 2: Audio output with stereo mini jack •Weight: 6.5 oz. (185g) •Dimensions: 7 1/2" x 1 1/2" x 2 1/2" (179 x 43.9 x 60mm)

Order #	(1-3)	(4-up)
SB-V40S	\$49.95	\$46.30

BLONDER TONGUE RF Switch

The AB-4 features an internal secondary shield and a molded plastic outer cover, providing excellent RF shielding. This durable push-button type switch ensures reliable and contact closure. The AB-4 is supplied with male "F" connectors and necessary mounting hardware. **Electrical specifications:** •Frequency range: 5~900MHz •Insertion loss: 0.2dB (5~250MHz), 0.5dB (250~900MHz) •Isolation: 85dB (5~250MHz), 65dB (250~900MHz) •Connectors: "F" type, female

Order #	(1-9)	(10-up)
33-2895	\$4.59	\$4.21

Nintendo Type Automatic TV-Game Switch

•Replaces antenna game switch supplied with Nintendo and other video game systems •Automatically switches from antenna to game whenever game is turned on •Eliminates constant unhooking of antenna system •8' cable cord included



Order #	(1-9)	(10-up)
33-1310	\$5.95	\$5.16

High Isolation Switches

•Three-way coaxial A/B/C switch •Use for antenna, CATV or VCR •Greater than 65dB isolation through 550MHz and 50dB through 900MHz



Order #	Description	(1-9)	(10-up)
33-1490	A/B/C	\$12.95	\$10.25
33-1485	A/B	4.95	4.19

Deluxe A/B Switch

•Two input, 75ohm, high isolation •Features zinc die-cast housing •Molded PVC outer case with mounting flanges •5~900MHz bandwidth •90dB isolation "off"



Order #	(1-9)	(10-up)
33-390	\$5.59	\$5.29