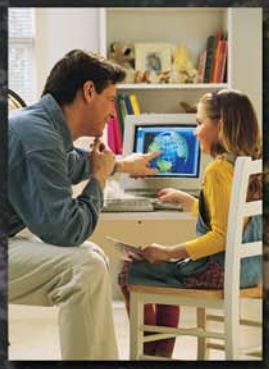
CHANNEL VISION™



Channel Vision™ Central

ARIA and A-BUS®

Channel Vision™ Technology

PRODUCT CATALOG 2004

Intended Use: Professional/Trade Only

CHANNEL VISION

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Welcome

As the leading supplier of RF components for whole house audio / video distribution and control, surveillance, home automation, and home theater systems. CHANNEL VISION delivers excellent customer service, expert technical support, and industry leading dealer programs. We help you build your business by supplying reliable and consistent products that can be configured to meet the requirements of any current or future systems.

On the following pages you will find current products encompassing all three main CHANNEL VISION product lines.

***CHANNEL VISION Central** features modular structured wiring systems and components that are easy to install and upgrade. Each component can be effortlessly snapped into place inside a panel. Our packaged solutions simplify your system design and offer installers flexible options to fit any specifications.*

***ARIA** provides whole house audio distribution and control solutions, including licensed A-BUS® technology.*

***CHANNEL VISION Technology** provides system integration by offering surveillance, residential access, satellite, and RF modulation components, plus a variety of installer tools and accessories.*

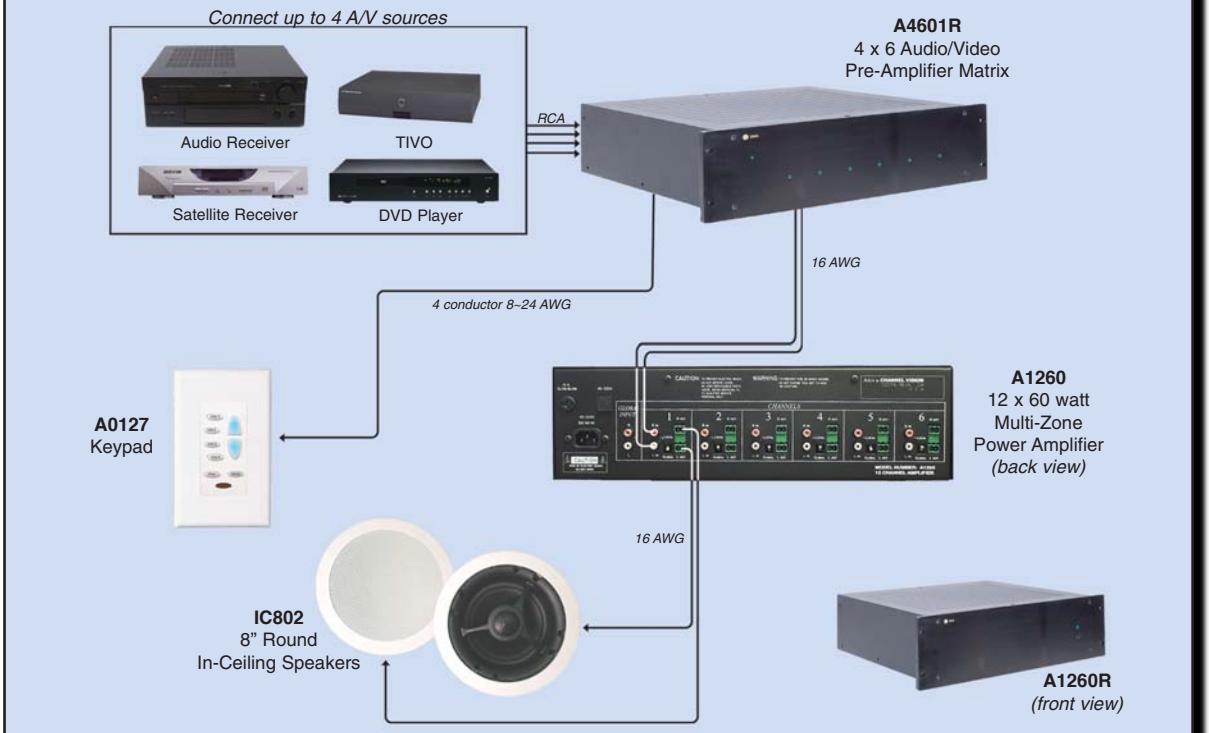
In addition to our growing product lines, we proudly offer the finest customer service program in the industry, including free custom design and layout, custom-made distribution panels, and 24 / 7 technical assistance.

CHANNEL VISION can give you the competitive selling advantage by providing a complete whole house solution that the market demands.

Inside the Well Connected Home

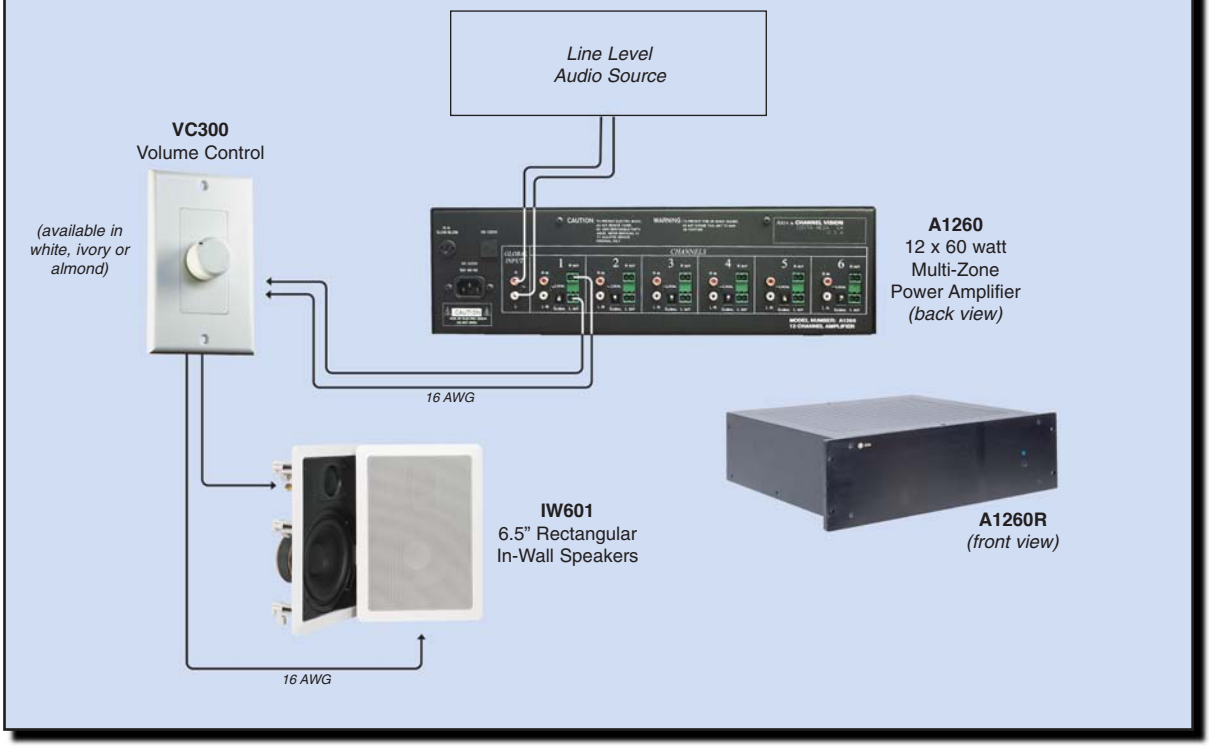
Multi-Source/Zone Audio &Video Distribution

(refer to pages 21, 22, & 23 for the complete line)



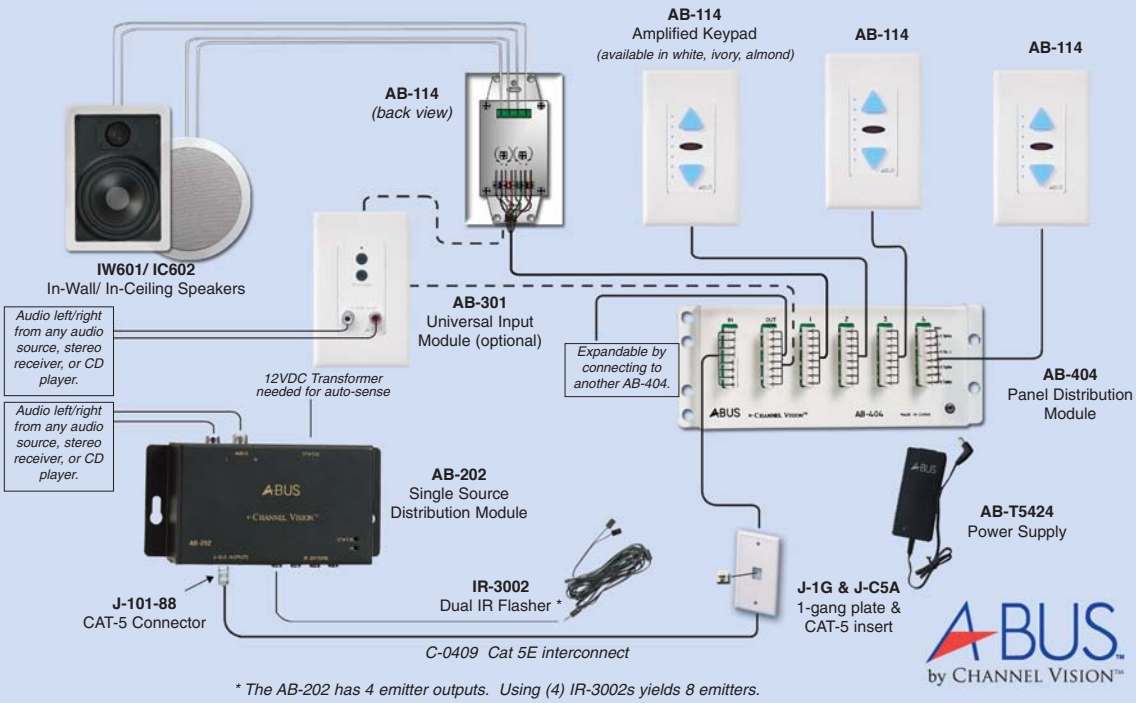
Single Source/Multi-Zone Audio Distribution

(refer to pages 21, 24, & 25 for the complete line)



A-BUS Single-Source/Multi-Zone Audio Distribution

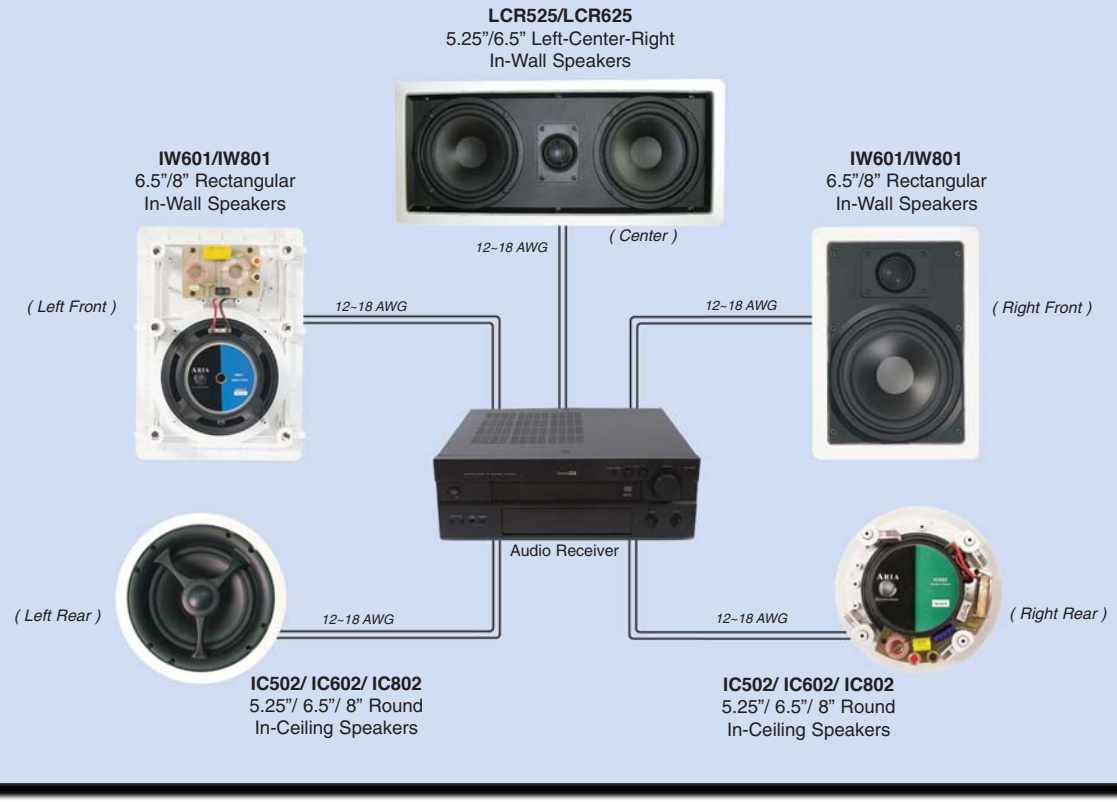
(refer to page 26 for the complete line)



* The AB-202 has 4 emitter outputs. Using (4) IR-3002s yields 8 emitters.

In-Wall Home Theater Speaker System

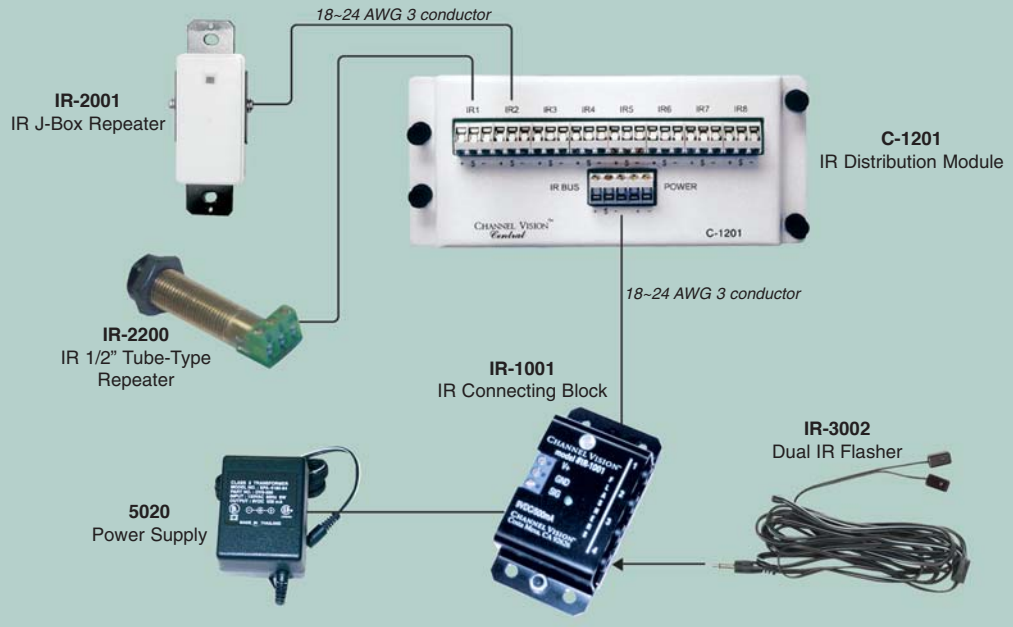
(refer to pages 22, 23, 24, & 25 for the complete line)



Inside the Well Connected Home

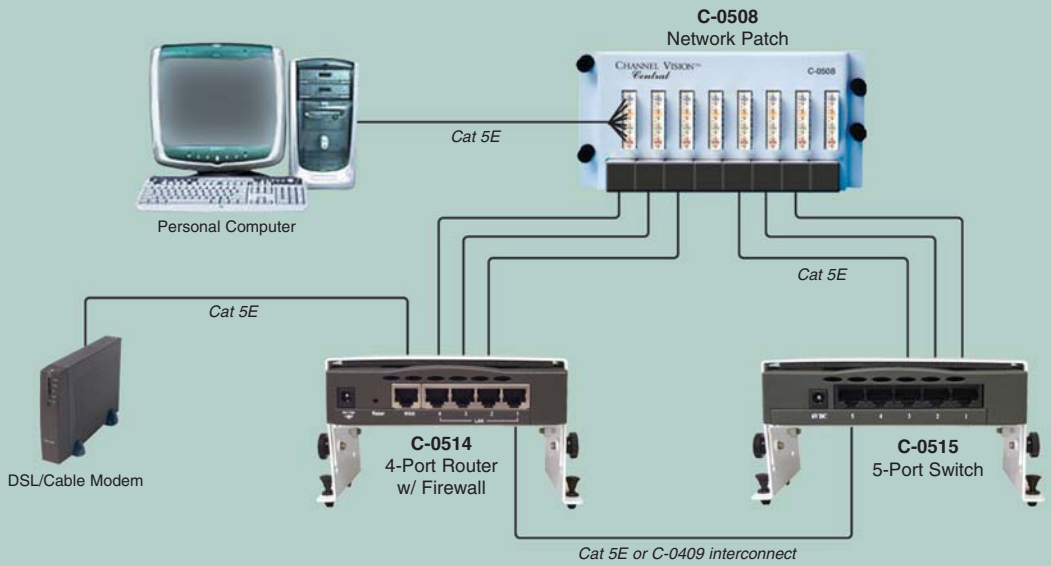
IR Distribution

(refer to page 20 for the complete line)



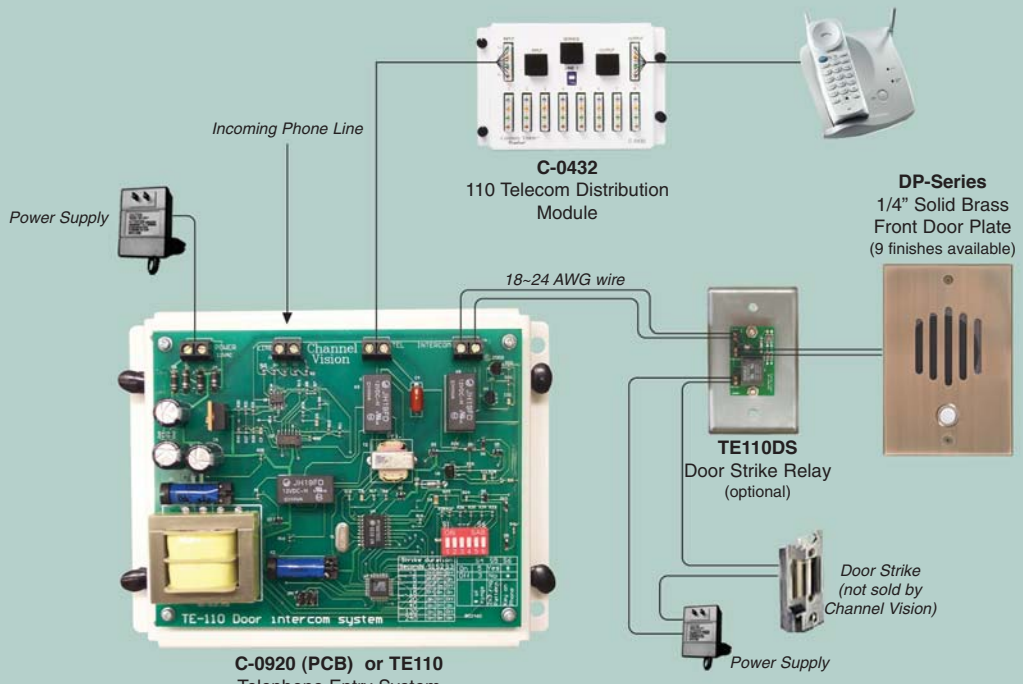
Home Office

(refer to page 17 for the complete line)



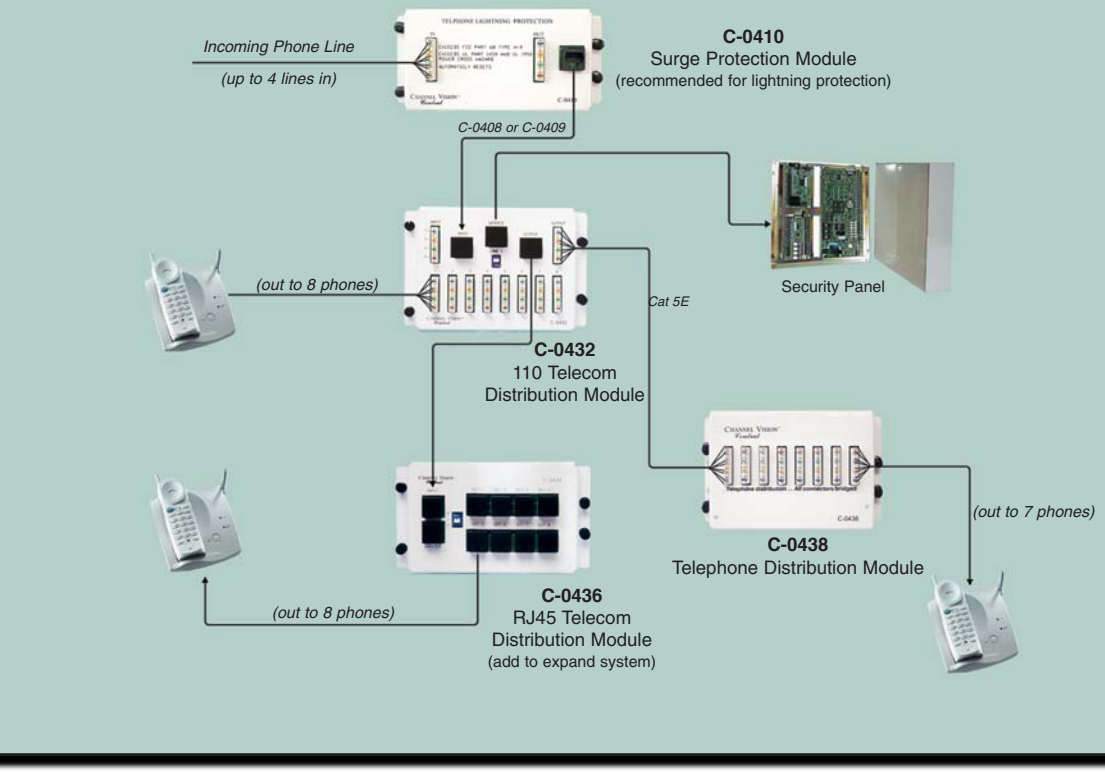
Telephone Entry System

(refer to pages 15 & 18 for the complete line)



Telephone Distribution

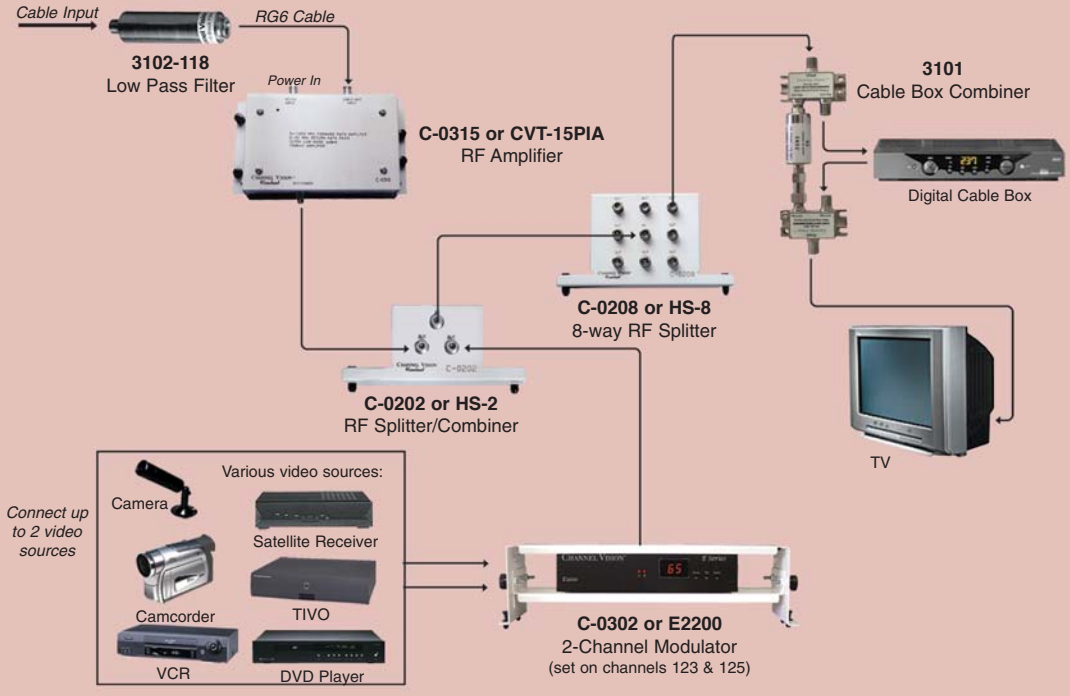
(refer to page 15 for the complete line)



Inside the Well Connected Home

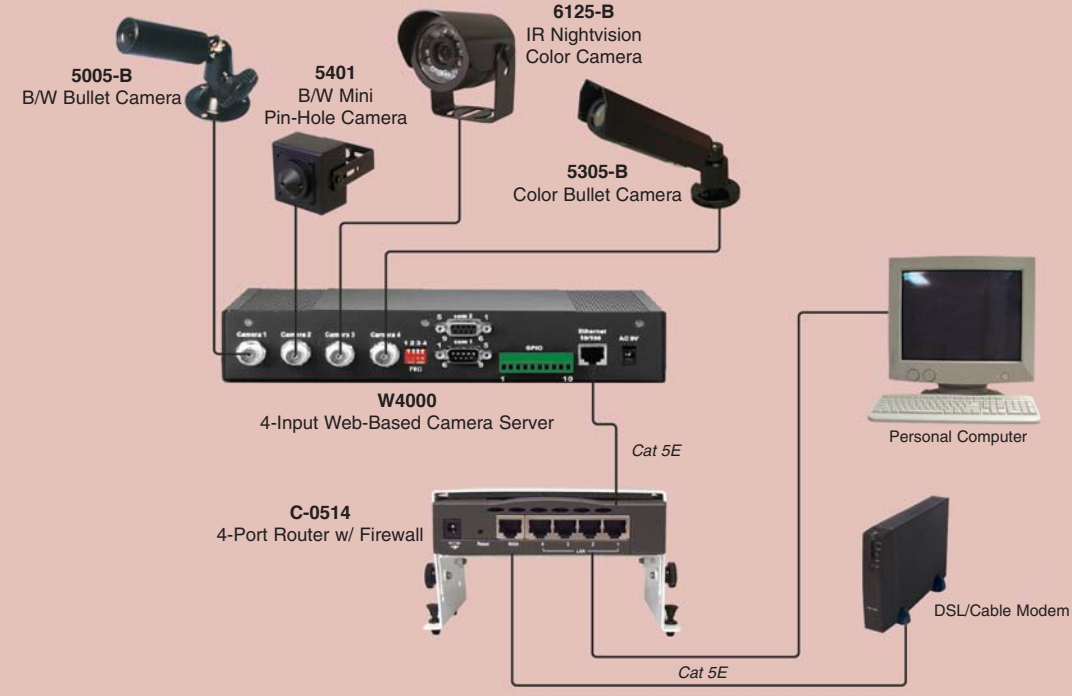
RF Modulation with Digital Cable Box

(refer to pages 13 & 14 for the complete line)



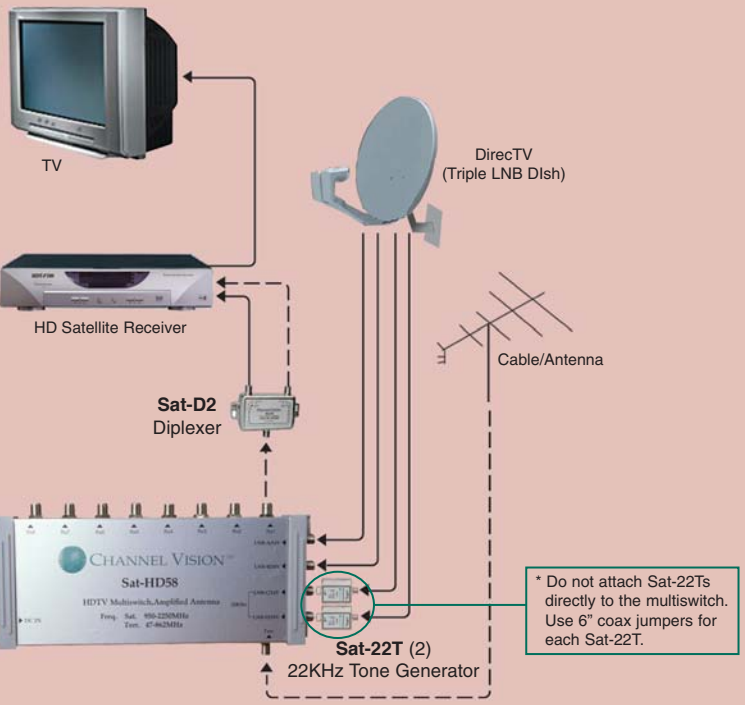
Remote Surveillance

(refer to pages 27, 28, & 29 for the complete line)



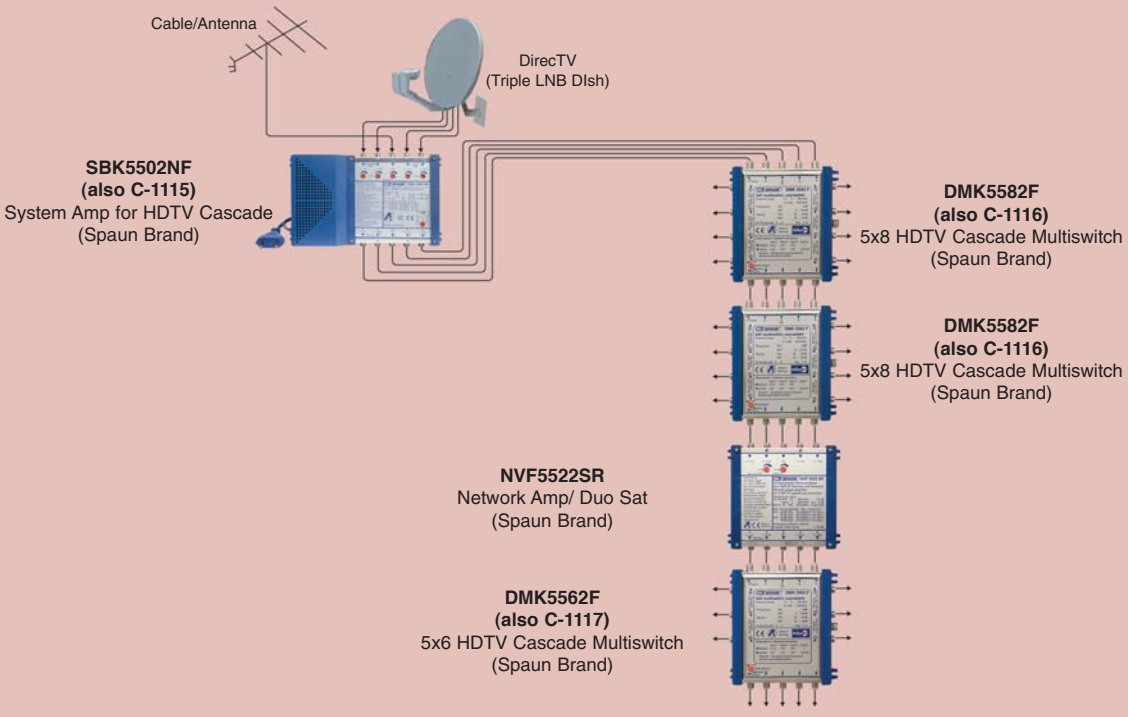
Satellite Multiswitch

(refer to page 36 for the complete line)



Spaun Cascadable Satellite Multiswitch

(refer to page 37 for the complete line)

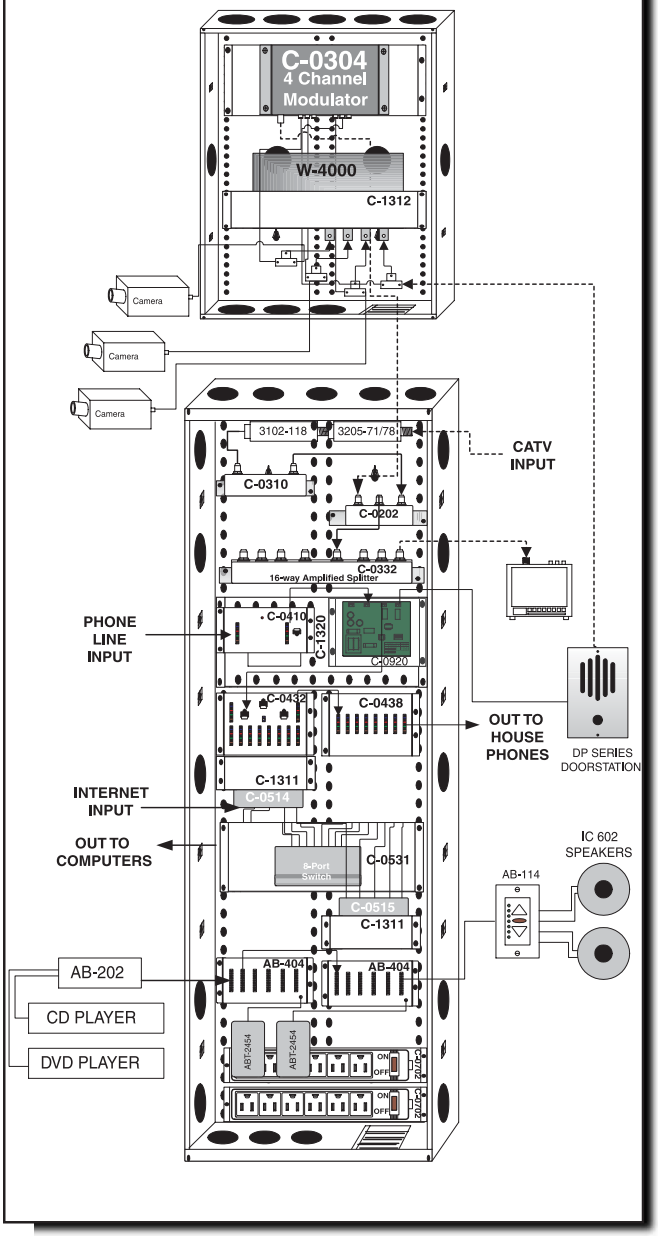


DirecTV is a trademark of the DirecTV corporation. Spaun is a registered trademark of Spaun USA.

Structured Wiring Configurations

Structured wiring solutions by CHANNEL VISION *Central* allow for versatile and elegant systematic designs. These recommended configurations have built-in flexibility that allows the installer to offer his customer multiple choices when it comes to home technology. Regardless of what system your customer needs, it is always a good idea to run additional CAT5 and RG6 coax wiring to prepare for future upgrades.

Premium+ Wiring Diagram (for 5000+ Sq. Ft. Home)



1000-3000 Square Ft. (3 Bedrooms)

BASIC

Supports 4 phone lines to 6 locations and 4 TV locations.

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0112E	(1) C-0216	(4) G-KIT 3
(1) C-0112C		(4) G-KIT 5

STANDARD

Supports 4 phone lines to 6 locations, 4 TV locations, and 4 live data locations .

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0112E	(1) C-0215	(4) G-KIT 1
(1) C-0112C	(1) C-0216	(2) G-KIT 8
	(1) C-0410	(2) G-C3AW
	(1) C-0514	
		Accessories:
		(4) C-0409

PREMIUM +

Supports 4 phone lines to 8 locations, 8 TV locations, 8 data locations (4 live), 4 audio/ IR locations, and a front door entry system with color camera. *(shown above)*

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0138E	(1) C-0202	(8) G-KIT 1
(1) C-0138C	(1) C-0208	
	(1) C-0301	
	(1) C-0315	Audio Kit:
	(1) C-0410	(1) AB-901
	(1) C-0432	
	(1) C-0501	
	(1) C-0514	Accessories:
	(1) C-0702	(4) C-0409
	(1) C-0920	(1) C-1320
		(1) 3102-118
		(1) IU-6xxx

Structured Wiring Configurations

3000-5000 Square Ft. (4 Bedrooms)

Supports 4 phone lines to 7 locations and 8 TV locations.

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0112E	(1) C-0208	(7) G-KIT 3
(1) C-0112C	(1) C-0315	(1) G-KIT 6
	(1) C-0438	

Supports 4 phone lines to 8 locations, 8 TV locations, and 8 data (4 live).

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0119E	(1) C-0208	(8) G-KIT 1
(1) C-0119C	(1) C-0315	(10) G-I-B-W
	(1) C-0410	
	(1) C-0432	
	(1) C-0501	Accessories:
	(1) C-0514	(8) C-0409

Supports 4 phone lines to 8 locations, 8 TV locations, 8 data locations (7 live), 4 audio/IR locations, and a front door entry system with color camera. *(shown above)*

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0138E	(1) C-0202	(8) G-Kit 1
(1) C-0138C	(1) C-0208	(10) G-I-B-W
	(1) C-0301	
Accessories:	(1) C-0315	Audio Kit:
(8) C-0409	(1) C-0410	(1) AB-901
(1) C-1320	(1) C-0432	
(1) 3102-118	(1) C-0501	
(1) IU-6xxx	(1) C-0514	
	(1) C-0515	
	(1) C-0702	
	(1) C-0920	

5000+ Square Ft. (5 Bedrooms)

Supports 4 phone lines to 15 locations and 16 TV locations.

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0112E	(1) C-0332	(15) G-KIT 3
(1) C-0112C	(1) C-0439	(1) G-KIT 6

Supports 4 phone lines to 15 locations, 16 TV locations, and 16 data locations (4 live).

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0119E	(1) C-0332	(15) G-KIT 1
(1) C-0119C	(1) C-0410	(1) G-Kit 5-C5
	(1) C-0432	(1) G-IFCW
	(1) C-0438	(10) G-I-B-W
Accessories:	(2) C-0501	
(15) C-0409	(1) C-0514	

Supports 4 phone lines to 15 locations, 15 TV locations, 16 data locations (13 live), 8 audio/IR locations, remote surveillance and modulation of 4 color cameras, including a front door entry system with camera. *(shown above)*

Enclosure:	Modules:	Wallplates/Insert:
(1) C-0119E	(1) C-0202	(15) G-Kit 1
(1) C-0119C	(1) C-0310	(1) G-Kit 5-C5
(1) C-0150E	(1) C-0304	(1) G-IFCW
(1) C-0150HC	(1) C-0332	(10) G-I-B-W
	(1) C-0410	
Accessories:	(1) C-0432	Audio Kit:
(4) AB-114	(1) C-0438	(1) AB-901
(15) C-0409	(1) C-0514	(1) AB-404
(1) C-1312	(1) C-0515	(1) AB-T2454
(1) C-1320	(1) C-0531	(4prs) IC602
(1) 3102-71/78	(2) C-0702	
(1) 3102-118	(1) C-0920	
(1) DP-6xxx	(1) W4000	
(3) 6125		

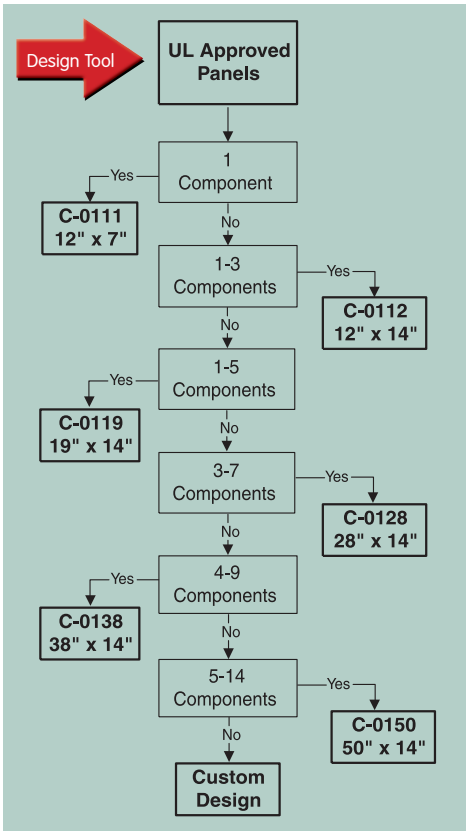
Recommended tools for all configurations:

(1) 1015 F Connector Tool	(1) J-110 Tool	(1 bag) 2105 F to BNC Connectors	(1 bag) 2126 F to RCA Connector
(1) 1014 RJ45 Crimp Tool	(1 bag) 2101 F Terminators	(1 bag) 2120 BNC T Connectors	

CHANNEL VISION Central Accessories

CHANNEL VISION Central enclosures are designed to make installations quick and easy with simple push-and-lock modular components, wire management straps, and electrical knockouts. CHANNEL VISION Central has an enclosure for every job with sizes ranging from 12", perfect for MDUs, to 50" for larger custom homes.

C-0119E and C-0119C

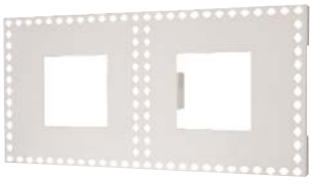


LISTED

C-0111

C-0150E and C-0150HC

C-1311 *C-1312*



C-1320

SW-1302 *C-1350*

Empty Panels

- Modular push and lock product components
- Electrical gang box knockout w/ grounding screw
- Sturdy 16 gage steel construction
- Powder coated white paint
- Oversized front cover with louvered vents
- Wire management straps; large cable knockouts
- Includes screws, grommets, cable identifiers, & cardboard rough-in cable protector

C-0111
12"(L) x 7"(W) w/lock & Hinged Cover

C-0112E
12"(L) x 14"(W) x 3 5/8(D) - enclosure only
C-0112C **Cover for C-0112E**

C-0119E
19"(L) x 14"(W) x 3 5/8(D) - enclosure only
C-0119C **Cover for C-0119E**

C-0128E
28"(L) x 14"(W) x 3 5/8(D) - enclosure only
C-0128C **Cover for C-0128E**

C-0138E
38"(L) x 14"(W) x 3 5/8(D) - enclosure only
C-0138C **Cover for C-0138E**

C-0150E
50"(L) x 14"(W) x 3 5/8(D) - enclosure only
C-0150HC **Hinged cover for C-0150E**
- Includes lock and key set

** all empty panels are also available as sets with their corresponding covers (i.e., C-0112E and C-0112C are packaged together as model C-0112)*

Plexi Lids

C-1305 - 12" Plexi Lid
C-1306 - 19" Plexi Lid
C-1307 - 38" Plexi Lid
C-1308 - 50" Plexi Lid

Mounting Brackets

- **C-0308** 12" (W) x 5-1/2" (H) horizontal bracket
- **C-0309** 6" (W) x 9" (H) vertical bracket
- **C-0311** Universal product holder
  Fits products up to 4.75" long by 3.25" thick
- **C-0312** Universal product holder
  Fits products up to 11.25" long by 3.25" thick

C-1320
Grid lifting wire management module

C-1350
Replacement lock and key set

SW-1302
Snap Pin Mini-Grips
- Fastens brackets and modules to the panels

C-0202/ C-0204/ C-0208

2/ 4/ 8-way RF Splitters

	C-0202	C-0204	C-0208
Bandwidth	5-1000MHz		
Insertion loss	3.5dB max.	7dB max.	11dB max.
Isolation	34dB min.	28dB min.	20dB min.
Return loss	30dB	24dB	20dB
Impedance	75 ohm		
Passes	DC and IR pass all ports		

C-0208 shown above

C-0213

F Barrel Connection Termination

- Band pass frequency 5MHz - 2GHz
- RF loss input to port .5
- Voltage attenuation 0

C-0214

Basic Service Combination Module

- 4 way RF splitter
- 4 CO line inputs distributed to up to 6 Rooms
- Vertical RJ-45 input/output
- TIA/EIA-568A and TIA 570 compliant
- Cat 5E compatible
- RF input compatible 5-1000MHz, 130dB RFI
- All ports DC and IR passing

C-0215

Home Office Module

- 2 way RF and cable modem splitter and 4 110/RJ45's data, phone, fax and teleconferencing to 4 individual ports to complete home office
- Option of 4 CO lines, 1 data connection, up to 4 fax lines, DSL service or network connection for other computers in the house
- 110 terminal inputs, vertical RJ-45 outputs
- Cat 5E compatible
- TIA/EIA-568A and TIA 570 compliant
- RF input compatible 5-1000MHz, 130dB RFI
- All ports modem, DC and IR passing

C-0216

Basic Service Combination Module

- 1 CO line input for up to 12 rooms or 2 CO line inputs for up to 6 rooms
- 110 terminal input/output
- 4 way RF splitter
- RF input compatible 5-1000MHz, 130dB RFI
- All ports DC and IR passing

C-0218

Telephone/Video Combination Module

- Distributes 4 CO lines to 7 locations
- 8 Bridged 110 punchdown connectors
- Includes 4 way RF splitter (DC passing)
- RF input compatible 5-1000MHz, 130dB RFI
- All ports DC and IR passing

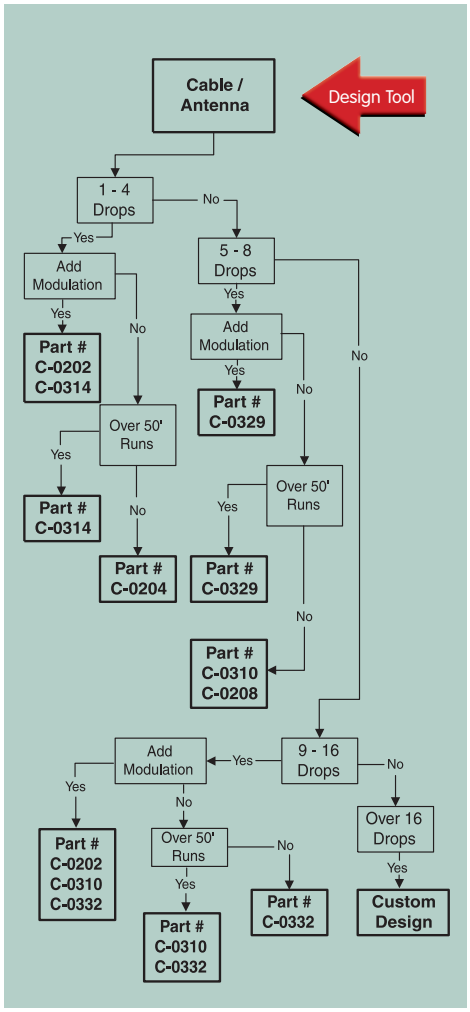
C-0219

Telephone/Video Combination Module

- Distributes 4 CO lines to 15 locations
- 16 Bridged 110 punchdown connectors
- Includes 4 way RF splitter (DC passing)
- RF input compatible 5-1000MHz, 130dB RFI
- All ports DC and IR passing

C-0219 shown above

Passive RF splitters are used in homes where no additional RF signal amplification is needed. Our passive RF and telephony products allow the installer to efficiently distribute audio/video signals and phones lines throughout the house.

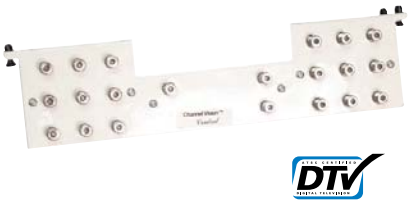


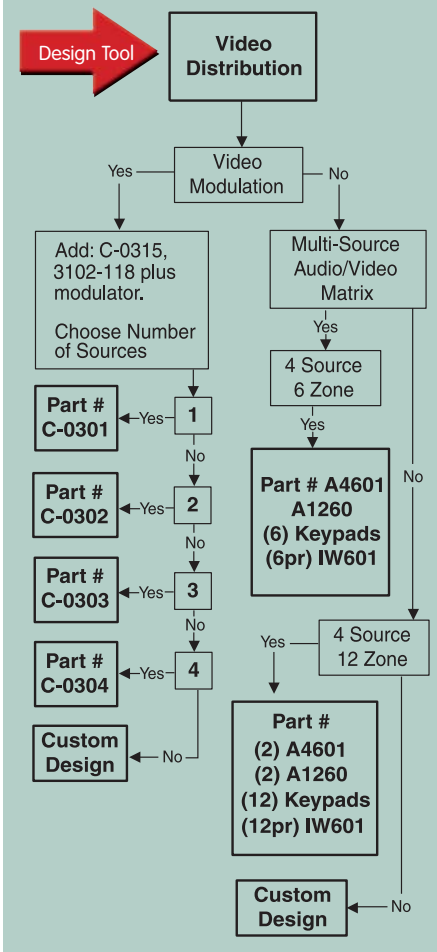
Refer to wiring diagrams on page 8

Amplified RF Modules

CHANNEL VISION Central also offers amplified RF products and modulators allowing home-owners to view their DVD, VCR, CD players, computer video card, TIVO, and surveillance camera outputs on every TV in the house.

C-0302 shown above





Refer to wiring diagrams on page 8

C-0301 / C-0302 / C-0303 / C-0304

1 / 2 / 3 / 4 Input Modulator w/bracket

- 25dBmV output
- Wide channel range cable 65-135 (excl. 95-99)
- UHF 14-78
- Push button channel selector
- Non volatile memory
- LED channel display (excl. c-0301)
- Video input level adjustment

C-0301

C-0310

1 in 1 out 10dB Amplifier, DC passing for remote power (optional CVT-PI injector)

- Bi-directional
- Power injected down the coax
- 5-42MHz return path for interactive TV
- 54-1000MHz forward path
- UL and CSA approved
- Phantom power from anywhere using an injector

C-0314

1 in 4 out Amplified Splitter

- 8dB signal gain per output
- IR passing on all output ports, bi-directional,
- 5-42MHz return path for interactive TV
- 54-1000MHz forward path
- UL and CSA approved

C-0315

15dBmV Bi-directional Amplifier

- Low noise (3db) IC circuit design
- Power injected down the coax
- 1GHz broadband amplification
- Bi-directional 5-42MHz return path for interactive TV
- Surface mount components for long life
- UL and CSA approved
- Phantom power from anywhere using an injector (CVT-PI)

C-0329

2 in 8 out Amplified Splitter / Combiner

- Internally combined modulator/cable input
- 8 outputs for cable runs up to 100 feet
- 4dB signal gain per output
- Ultra low noise - less than 3dB
- Bi-directional return path for use with cable modems and interactive TV
- Power input via coax connection
- IR passing splitter
- 2dB modulator input gain

C-0332

1 in 16 out RF Amplifier

- 1dB signal gain per output
- 1GHz broadband amplification
- DC passing
- Bi-directional, 54-1000MHz forward, 5-42MHz return path
- UL and CSA approved
- Includes C-0331 mounting plate with hardware, (2) HS-8V 8-way vertical splitters, and a CVT-1/2PIA 1 in 2 out amplifier (all components also available for sale individually)

C-0408 / C-409

Cat 5E, RJ45

- Interconnect 1' (C-0408)
- Cat 5E, RJ45 Interconnect 3' (C-0409)

C-0410

Surge Protection (stopper) Module

- Compatible with all Loop Start circuits
- Consumer Premise equipment
- Complies with UL 1459 and UL 1950 power cross requirements
- Passes FCC Part 68 Type A and Type B lighting tests operationally
- Provides un-balanced line over voltage and over current protection
- Automatically resets once surge condition has cleared restoring the phone line
- 4 lines in, 4 lines out

C-0432

110 Telecom Distribution Module with security RJ31X & link port

- 4 CO line input distributed to up to 8 rooms
- 1 service port isolating line to facilitate testing and installation, RJ31X function
- 110 or RJ45 output capability, Cat 5E compatible, TIA/EIA-568A and TIA 570 compliant
- Expandable to multiple units

C-0436

RJ45 Telecom Distribution Module with security RJ31X

- 4 CO line input distributed up to 8 rooms
- 1 service port isolating line to facilitate testing and installation, RJ31X function
- Vertical RJ45 input/output capability, Cat 5E compatible, TIA/EIA-568A & TIA 570 compliant

C-0438

Telephone Distribution Module

- Distributes 4 CO lines to 7 locations
- 8 Bridged 110 punchdown connectors

C-0439

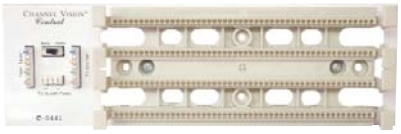
Telephone Distribution Module

- Distributes 4 CO lines to 15 locations
- 16 Bridged 110 punchdown connectors

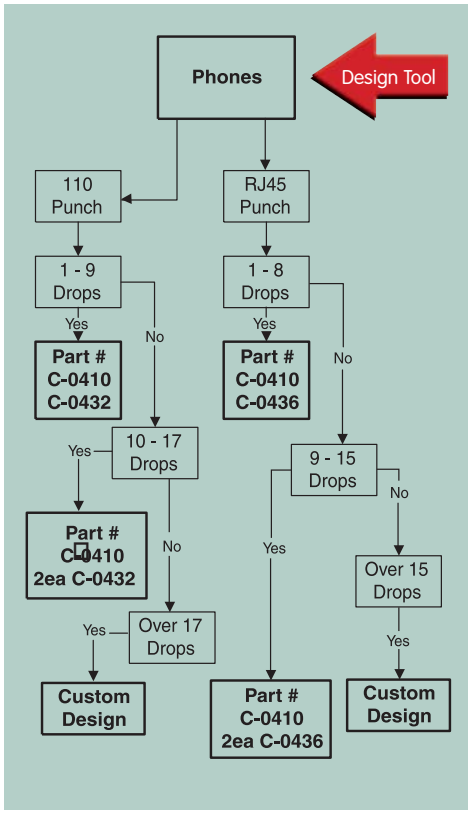
C-0441

110 Telecom Module w/100 pair capacity

- 4 C5 and 20 C4 connecting blocks
- Allows for custom configuration of multiple telephone lines and multiple outputs
- RJ 31X included



CHANNEL VISION Central offers solutions for families who need to talk on the phone, send a fax, and use a cable modem all at the same time. From single phone lines to complex KSU systems, CHANNEL VISION Central has the solution.



C-1325

Strain Relief Clips

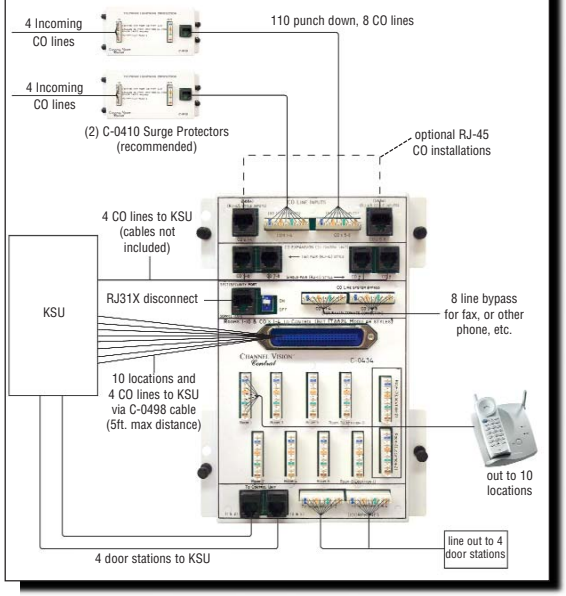
- For use with 110 punch downs to secure wire

Refer to wiring diagrams on page 7

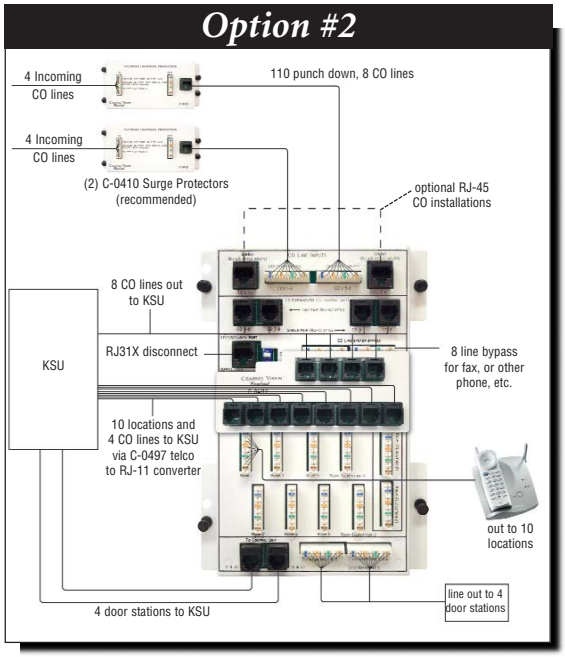
KSU Telephone Distribution

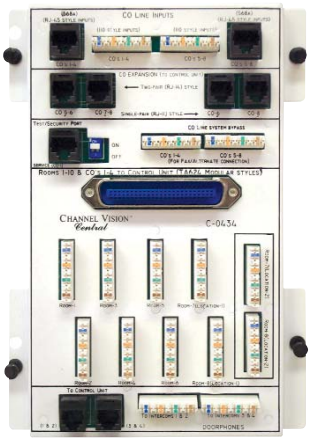
Channel Vision's KSU Distribution Module saves time by doing the wiring for you. It eliminates tedious cross connect and time consuming labeling of a 66 block. Easily isolate lines though the RJ-11/14 jacks for quick troubleshooting.

Option #1



Option #2





C-0434

KSU Phone Distribution Module, compatible with Panasonic KX-TA624 & similar modular systems

- Up to 8 CO lines distributed up to 10 rooms
- Supports 4 door stations (KX-A62460 modules required)
- RJ31X functionality (CO line one) for security system interface and testing
- 2 line by pass
- Dimensions: 8.5" (L) x 5.2" (W) x 1.2' (D)
- Must be used with either C-0497 or C-0498 *see connection options 1 & 2

Option #1: Amphenol Installation

- C-0434 – KSU Phone Distribution Module
- C-0498 – Pre-Wired Amphenol Cable
- C-0410 (2) – Surge Protection

Features:

- Clean & simple wire management
- Easy plug n' play amphenol cable is pre-wired and terminated with RJ-14 plugs.
- Eliminates cutting wire for each phone
- 5 ft. max distance from C-0434 to KSU unit
- Fits nice in SW panel

Option #2: RJ-14 Installation

- C-0434 – KSU Phone Distribution Module
- C-0497 – Telco to RJ-11/14 Converter
- C-0410 (2) – Surge Protection

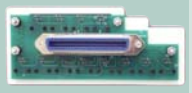
Features:

- Converts 25 pair Telco to RJ-11/14
- Perfect for distances over 5 ft from C-0434 to KSU unit
- Isolate individual phone lines for easy trouble shooting through RJ-11/14 connections

C-0497

Telco to RJ-14 Converter

- Converts the Amphenol-style connector to individual RJ-11 and RJ-14 connectors
- Amphenol on the back snaps on to the C-0434
- RJ-11/14 jacks on the front



back view

C-0498

Pre-wired Octopus Cable

- 5 ft. long cable connects 25 pair telco to 12 RJ-11 outputs
- Amphenol cables are pre-terminated with RJ-11/14 plugs that attach directly to the KSU

C-0499

KSU Expansion PCB

- Provides an additional 2 CO lines via RJ-45 input from a surge protector and outputs to KSU via RJ-11 and RJ-14 connectors
- Expands the system by adding 8 additional stations via 110 inputs and RJ-11 outputs

C-0508

8-Port Cat 5E Data Termination Module

- 8 Data terminations
- 110 connectors with standard color layout
- RJ-45 jacks with release on the top for easier installation
- Compact design

C-0514

4-Port DSL / Cable Router with Firewall

- (4) 10/100Mbps LAN ports, 1 WAN port
- Built-in Stateful Packet Inspection (SPI) firewall
- Features DHCP server, network address translation, and remote management
- URL blocking
- Access control based on IP address filtering, MAC address filtering, and date/time
- Hacker prevention and logging capability with email alerts to prevent common hacker attacks
- Mounting bracket for easy installation onto enclosure

C-0515

5-Port 10/100Mbps Switch

- Built with plug & play, auto-negotiation on all ports, store-and-forward transmission scheme, IEEE802.3x flow control, and back pressure operation
- Built-in wiring crossovers on all ports allow connections to servers and workstations to be made with straight-through cabling
- Jabber lock-up function automatically stops transmission of abnormal frames to prevent network disruption
- Automatic polarity detection and correction
- Mounting bracket for easy installation onto enclosure

C-0518

8-Port 10/100Mbps Switch

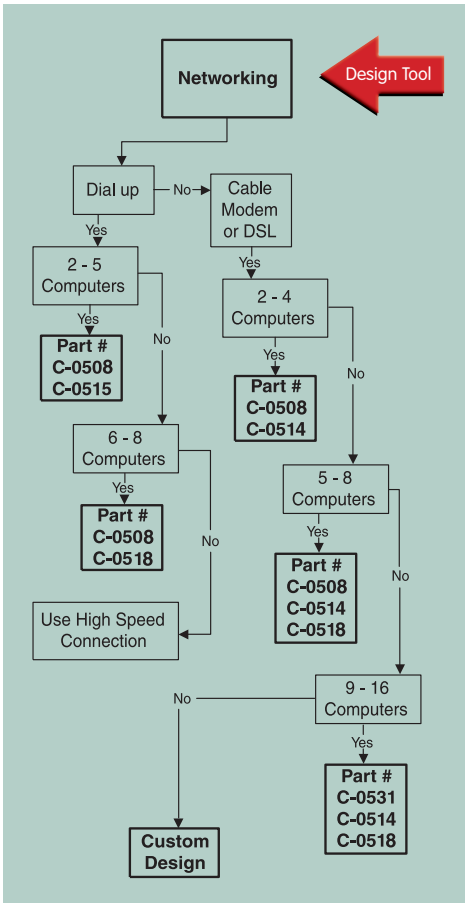
- Built with plug & play, auto-negotiation on all ports, store-and-forward transmission scheme, IEEE802.3x flow control, and back pressure operation
- Built-in wiring crossovers on all ports allow connections to servers and workstations to be made with straight-through cabling
- Jabber lock-up function automatically stops transmission of abnormal frames to prevent network disruption
- Automatic polarity detection and correction
- Mounting bracket for easy installation onto enclosure

C-0531

Data / Patch Module

- Space saving design that allows wires to run along the length of the panel for better wire management
- Includes a C-0530 double-decker mounting plate, (2) C-0508 8x8 network hubs, and a C-0518 8-port switch (all components also available for sale individually).

Our comprehensive line of computer products provides home networking solutions for a reliable system that delivers high-speed data connection and shared peripherals throughout the house. These Channel Vision Central components are compatible with 802.11b wireless home networking products.



Refer to wiring diagrams on page 6

Fiber Optics / Power / Telephone Entry

Safely terminate fiber optic cabling and manage power distribution for a neat and organized system. With our telephone entry system, you can easily create a communication link between your front door and every telephone in the house.

C-0601

Fiber Optics Termination Bracket

C-0622

Fiber Optics Spool Plate w/Cover

- Maintains the fiber optics bend radius and allows cable termination within the panel
- SC coupler included

C-0623

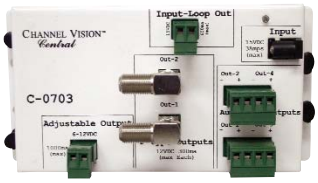
Duplex Fiber Optics (SC type coupler)

- (shown with C-0622)

C-0702

Bracket & Power Strip with 6 Outlets

- Provides 6 heavy duty grounded outlets (125VAC, 15AMPS continuous duty rating)
- On/Off master switch
- 14/3 grounded cord
- Rugged case
- 125 volt-15 amp circuit breaker
- UL approved



C-0703

Low Voltage Power Distribution Module

- Provides connection for up to 4 ports (12VDC/300ma) suitable for cameras and other devices
- 2 "F" type connector ports for cable amplifiers or power injection to RF cable
- 1 adjustable port (7-12VDC/1 amp) suitable for routers / hubs or other network equipment
- 2 aux ports (12VDC and 24 VDC) with screw terminals, great for home automation or other customized applications
- All outlets fully regulated
- Up to 3A total current supply

C-0920

Telephone Entry System

- Provides 2-way conversation between one front door intercom speaker and every telephone in the house. Simply pick up the phone and press "#" or "*" twice to begin speaking to the visitor.
- Door strike relay option available separately.
- Doorbell button sends a distinctive ring to phones alerting you that a visitor has arrived
- Seamless call waiting
- 3 Different ring patterns from which to choose
- Includes white mounting plate
- Compatible for use with the DP and IU Series front door intercom

DP and IU Series

1/4" Solid Brass Front Door Plate

- Includes black metal screen
- Waterproof mylar 8ohm, 0.2 watt speaker, gasket included
- Available in various finishes including antique and polished metals

See the full listing on page 34.

Refer to wiring diagrams on page 7

C-1102
Satellite Diplexer
- Combines satellite with antenna to travel down one coax or separates satellite and antenna signals before the TV and receiver. One at each receiver is required when using a multiswitch.

C-1134
3 in 4 out Amplified Multiswitch
- Dual LNB + cable/antenna to 4 outputs
- +2dB antenna gain
- 4dB Thru loss-LNB out
- 5-42MHz return path
- 40-2150MHz bandwidth
- Powered by receiver

C-1158
5 in 8 out HDTV Multiswitch
- Dual LNB and amplified antenna to 8 outputs
- 0dB antenna gain
- Provides constant LNB voltage
- Power by UL approved 24 VAC transformer

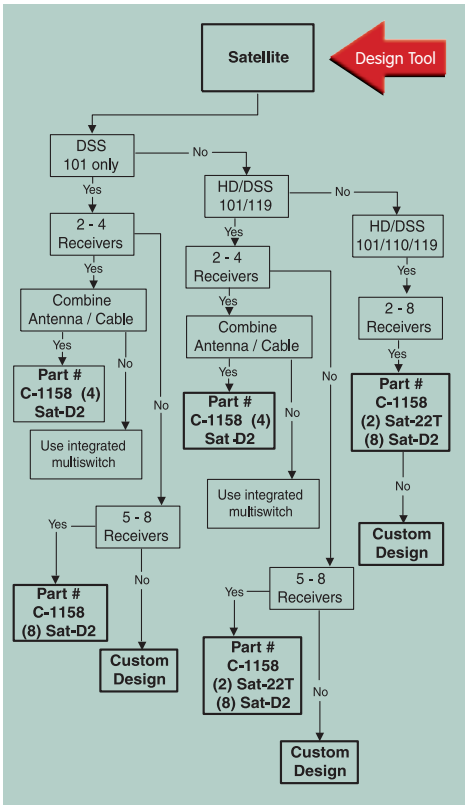
C-1114
5 in 8 out HDTV Multiswitch -SPAUN
- Spaun SMS5802NF multiswitch
- Off-air amplifier push-pull
- VHF 20 - 25, UHF 15
- Sat gain 20-28dB
- Mounted on bracket

C-1115
5 in System Amp for Cascade SBK5502NF SPAUN
- Spaun cascade amplifier for HDTV
- Off-air amplifier push-pull
- VHF 20 - 25, UHF 15
- Sat gain 20-28dB
- Mounted on bracket

C-1116
5 in 8 out HDTV Cascadable Multiswitch DMK5582F SPAUN
- Spaun cascadable multiswitch for HDTV
- Return path compatible
- U/V gain 3.5dB, Sat gain 3dB
- Mounted on bracket
- Must be used with C-1115

C-1117
5 in 6 out HDTV Cascadable Multiswitch DMK5562F SPAUN
- Spaun cascadable multiswitch for HDTV
- Duo-sat
- Return path compatible
- U/V gain 3.5dB, Sat gain 3dB
- Mounted on bracket
- Must be used with C-1115

Homeowners can enjoy a variety of satellite channels simultaneously throughout their home with CHANNEL VISION Central satellite distribution products. CHANNEL VISION Central multi-room satellite components provide professional distribution and management of satellite and televisions frequencies including CATV cable, UHF and VHF. This solution manages and distributes the block down frequencies and polarity of satellite (DirecTV), along with high definition satellite.



Refer to wiring diagrams on page 9

Speaker / IR Distribution

Distributed Audio is quickly becoming one of the most frequently requested upgrades for new homes. While the CHANNEL VISION Central speaker distribution module allows users to enjoy whole house music during a party, the IR products enable them to control the music source from any room in the house. Together, these components create a sophisticated multi-room audio/ video system.

Refer to wiring diagrams on page 6

C-1001

Speaker Distribution 1 pair in x 8 pair out

- (Requires impedance matching transformers on the volume controls)
- Single two-channel (L/R) audio input distributed to up to 8 rooms
- 4 position terminal blocks, UL rated 125V @ 6A, accepts 14 to 20 AWG wire
- 45 degree wire entry simplifies installation and holds wires securely
- Supports power levels to 200 watts

C-1201

IR Distribution Module

- 8 IR receivers into one common output
- Combines multiple rooms to one connecting block
- 3 wire input
- Optional power input port to compensate for long wire runs

IR-1002

Amplified & Regulated IR Connecting Block

- State-of-the-art circuit design assures reliable and accurate IR data transmission
- 4 voltage regulated IR flasher output jacks for consistently correct IR output levels
- Connect up to 15 IR repeaters to one block and one power supply
- Easy to parallel if more flasher jacks or IR repeaters are required
- Easy to create multiple listening zones or control more than 1 equipment stack
- Visible IR signal confirmation LED for easy installation verification
- Built-in system ground lug for eliminating possible interference in noisy environments
- Use with 5020 (9VDC, 500mA power supply)

IR-3002 w/2 Flashers

IR Mini Flashers w/common LED

- Installs over A/V equipment windows
- Self-adhesive design
- Visible LED flashes with received IR signals for operation confirmation
- Standard 1/8" phone plug is compatible with most IR systems

Xan-CPL94B

RF/IR Coupler

- Extracts IR control signals
- "F" coaxial connector jacks for SAT/VCR and remote TV signals
- Two 3.5mm emitter mono mini jacks with 470 Ohm series resistors

Xan-INJ94

RF/IR Injector

- Injects or controls IR signals
- "F" coaxial connector jacks for TV and input signals
- 3.5mm IR receiver stereo mini jack for quick connection of IR receivers
- 2.1mm +12V jack for connection

IR-2001

J-Box-Repeater

- Receive signals from a hand held remote control up to 40 feet away
- Acceptance angle of 130 degrees
- Easily installed in a standard single gang box
- SMT for superb noise immunity
- Voltage regulation for consistent sensitivity performance
- Visible pin-light LED for IR signal confirmation
- White or Ivory Decora® plate included

IR-2201

IR-Tube-Repeater, 1/2"

- Receive signals from a hand held remote control up to 40 feet away
- Acceptance angle of 130 degrees
- Easy installs in a 1/2 inch diameter hole
- Built-in system ground for elimination of possible interference in noisy environments
- Terminal block connector easily accepts up to 16 gauge wire
- Visible LED for IR signal confirmation

A1260 / A1260R

Multi-Zone Audio Amplifier

Designed in the USA, this 12 channel amplifier offers plenty of power, clean sound, and reliable performance to satisfy the most discerning audio and home theater enthusiasts.

- 12-Channel amplifier (17" component style)
- 60 watts per channel w/ full load on all channels
- Each zone may be switched between the global input and the local input
- Sources connected to global input can be heard in all 6 zones
- Independent audio sensed turn-on circuit only uses power when audio is present
- Torroidal power transformer w/ 4 secondaries to maximize separation
- THD+N lower than 0.2%
- Also available as a 3-rack height 19" rack mount version (A1260R)

A4601 / A4601R

Audio/Video Pre-Amplifier Matrix

- 4 sources to 6 zones
- 4 common IR outputs; 6 keypad inputs
- Available as a 19" rack mount version (A4601R)
- This unit may be purchased separately or as part of a kit: A-Kit 1 - (1) A4601, (6) A0127 keypads
  A-Kit 2 - (1) A4601, (6) A0127 keypads, (6 pairs) IC602 speakers, and (1) A1260 amplifier

A0127

Modular Keypad

- Designed to control the A4601
- 4 conductor 22-28 awg or CAT-5 cabling
- Removable connector for easy wiring and installation
- Illuminating status and IR feedback indicators
- Single gang box installation
- IR receiver compatible w/ signals up to 100KHz
- Available in white, ivory, and almond finishes

White *Ivory* *Almond*

VC300

Volume Control

ARIA's in-wall volume control allows the user to adjust the volume of their speakers from a remote room in the house. Each has a peak power rating of 300 watts and features 14 gauge speaker "quick connect" terminals for fast and easy installations. Choose from white, almond, or ivory colored Decora® plate covers to fit your decorative needs.

- -54dB, 12 step attenuation
- 300 watts peak 20Hz-20kHz
- 8 ohms, 100 watts RMS per channel
- Impedance matching for 2, 4, 6, or 8 pairs of speakers
- Removable and solderless 14 gauge speaker "quick connect" terminals
- Includes metal mounting plate and color matched plastic Decora® style insert and knob
- Available in white **(VC300W)**, ivory **(VC300I)**, and almond **(VC300A)**

Refer to wiring diagrams on page 4

Decora® is a registered trademark of Leviton Manufacturing Company.

Soprano Series In-Ceiling Speakers

ARIA's Soprano Series custom installation speakers' performance is unmatched by any speaker in its class. Featuring US-engineered crossover network for a smooth transition from lows to highs and high power handling capability, the Soprano Series provides you true stereo, quality sound, and not simply background music. Its superior performance and price make it a natural choice for multiroom and home theater applications.

Also available in a 4-pair masterpack: ***IC502M***

IC502

5.25" In-Ceiling Speakers

- 5.25" Mica filled polypropylene woofer with Butyl rubber surround, 18 oz. magnet
- 2nd Order Linkwitz-Riley crossover, 12dB per octave with thermal-sensing polyswitches to prevent blown tweeter
- Pivoting tweeter: 1" voice coil, enclosed, rare earth neodymium magnet, silk soft dome
- Frequency response: 50Hz-20KHz ± 3dB
- Recommended power: 20W - 100W
- Sensitivity: 88dB(1W/1M)
- 8-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC52B** Pre-construction bracket (hole size: 6.5" D) - sold separately
- Dimensions: 7.75" OD x 4.21" H
- Retail packaging

Also available in a 4-pair masterpack: ***IC602M***

IC602

6.5" In-Ceiling Speakers

- 6.5" Mica filled polypropylene woofer with Butyl rubber surround, 18 oz. magnet
- 2nd Order Linkwitz-Riley crossover, 12dB per octave with thermal-sensing polyswitches to prevent blown tweeter
- Pivoting tweeter: 1" voice coil, enclosed, rare earth neodymium magnet, silk soft dome
- Frequency response: 45Hz-20KHz ± 3dB
- Recommended power: 20W - 120W
- Sensitivity: 90dB(1W/1M)
- 8-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC65B** Pre-construction bracket (hole size: 7.5" D) - sold separately
- Dimensions: 9" OD x 3.5" H

Also available in a 4-pair masterpack: ***IC802M***

IC802

8" In-Ceiling Speakers

- 8" Mica filled polypropylene woofer with Butyl rubber surround, 24 oz. magnet
- 2nd Order Linkwitz-Riley crossover, 12dB per octave with thermal-sensing polyswitches to prevent blown tweeter
- Pivoting tweeter: 1.25" voice coil, enclosed, rare earth neodymium magnet, silk soft dome
- Frequency response: 40Hz-20KHz ± 3dB
- Recommended power: 20W - 150W
- Sensitivity: 90dB(1W/1M)
- 8-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC80B** Pre-construction bracket (hole size: 9.5" D) - sold separately
- Dimensions: 10.75" OD x 4.75" H
- Retail packaging

In-Ceiling Speakers

Builder Series In-Ceiling Speakers

IC503

5.25" In-Ceiling Speakers

- 5.25" woofer w/ polypropylene cone & treated foam surround, 1" Voice coil, 8 oz. magnet
- 13mm Tweeter with Mylar dome
- Power handling: 60W
- Spring loaded terminals
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC52B** Pre-construction bracket (hole size: 6.5" D) - sold separately

Also available in a 4-pair masterpack: ***IC503M***

ARIA's Builder Series is designed for economical installations that only require background music.

IC607

6.5" In-Ceiling Speakers

- 6.5" woofer w/ polypropylene cone & treated foam surround, 1" Voice coil, 8 oz. magnet
- 13mm Tweeter w/ Mylar dome;
- Power handling: 70W
- Small perforated designer grille
- Spring loaded terminals
- Mounting template and paint shield included
- Use with **IC65B** Pre-construction bracket (hole size: 7.5" D) - sold separately

Also available in a 4-pair masterpack: ***IC607M***

Soprano Series Dual Voice Coil In-Ceiling Speakers

ID652 (Soprano Series)

6.5" Dual Voice Coil In-Ceiling Speaker

- 6.5" Dual Voice Coil woofer polypropylene cone with rubber surround (no foam)
- Dual 1/2" fluid-cooled ultra-wide dispersion mylar tweeters (swivel independently up to 45°)
- Dual 2nd order Butterworth crossover networks
- Thermal-sensing polymer switches to prevent blown tweeter; 8-ohm impedance
- Power handling: 65Watts RMS (92Watts peak)
- Frequency response: 55Hz-20KHz ± 3dB
- Sensitivity: 89dB (for 2.83 pink noise)
- Dual 14 AWG spring-loaded push terminals
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC65B** Pre-construction bracket (hole size: 7.5" D) - sold separately
- Dimensions: 9.25" OD x 3.5" H

ARIA's Dual Voice Coil speakers deliver stereo balanced sound in a single speaker, making them ideal for use in small areas such as hallways, bathrooms, or entryways.

ID850 (Soprano Series)

8" Dual Voice Coil In-Ceiling Speaker

- 8" Dual Voice Coil woofer polypropylene cone with true rubber surround (no foam)
- Dual 1/2" fluid-cooled ultra-wide dispersion mylar tweeters (swivel independently up to 45°)
- Thermal-sensing polymer switches to prevent blown tweeter
- 18dB/octave crossover network
- Power handling: 75Watts RMS (106Watts peak)
- Frequency response: 55Hz-20KHz ± 3dB
- Sensitivity: 90dB, 8-ohm impedance
- Dual 14 AWG spring-loaded push terminals
- Small perforated designer grille
- Mounting template and paint shield included
- Use with **IC80B** Pre-construction bracket (hole size: 9.5" D) - sold separately
- Dimensions: 10.75" OD x 4" H; retail packaging

ARIA
CHANNEL VISION™

**** Pre-construction brackets are included in all master packs***

In-Wall Speakers

Soprano Series In-Wall Speakers

Also available in a 4-pair masterpack: ***IW601M***

IW601 (Soprano Series)

6.5" In-Wall Speakers

- 6.5" Mica filled polypropylene woofer with Butyl rubber surround
- 18 oz. magnet
- 2nd Order Linkwitz-Riley crossover, 12dB per octave with thermal-sensing polyswitches to prevent blown tweeter
- Pivoting tweeter: 1" voice coil, enclosed, rare earth neodymium magnet, silk soft dome
- Frequency response: 45Hz-20KHz ± 3dB
- Recommended power: 20W - 150W
- Sensitivity: 90dB(1W/1M)
- 8-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Small perforated designer grille
- Mounting template, IR positionable template, and paint shield included
- Use with **IW65B** Pre-construction bracket (hole size: 10.5" L x 7.25" W) - sold separately
- Dimensions: 10.0625" L x 8.75" W x 3.5" H

Also available in a 4-pair masterpack: ***IW801M***

IW801 (Soprano Series)

8" In-Wall Speakers

- 8" Mica filled polypropylene woofer with Butyl rubber surround
- 20oz. magnet
- 2nd Order crossover, 12dB per octave with thermal-sensing polyswitches to prevent blown tweeter
- Pivoting tweeter: 1" teterone dome, neodymium magnet
- Frequency response: 35Hz-20KHz ± 3dB
- Power handling: 175W
- Sensitivity: 90dB(1W/1M)
- 8-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Small perforated designer grille
- Mounting template, IR positionable template, and paint shield included
- Use with **IW80B** Pre-construction bracket (hole size: 12.75" L x 8.625" W) - sold separately
- Dimensions: 14" L x 10" W x 3.5" H
- Retail packaging

LCR525 (Soprano Series)

5.25" In-Wall Left-Center-Right Speakers

- Can be used as a center channel as well as a left/right channel
- 5.25" Dual Poly Mica cone woofer with real rubber surround, 1.5" voice coil
- 12dB per octave passive crossover
- 1" Tweeter: neodymium magnet, silk soft dome with swivel capability
- Thermal-sensing polymer switches to prevent blown tweeter
- 14 AWG gold plated terminal posts
- Power handling: 150W RMS
- Frequency response: 40Hz to 20KHz +/-3dB
- 8-ohm nominal impedance
- Small perforated designer grille
- Mounting template and paint shield included
- Retail packaging

**** Pre-construction brackets are included in all master packs***

LCR625 (Soprano Series)

6.5" In-Wall Left-Center-Right Speakers

- Can be used as a center channel as well as a left/right channel
- 6.5" Dual Mica filled polypropylene woofer with Butyl rubber surround
- 1.25" voice coil, 20 oz. magnet
- 12dB per octave passive crossover
- Pivoting tweeter: enclosed, rare earth neodymium magnet, silk soft dome
- Thermal-sensing polymer switches to prevent blown tweeter
- 14 AWG gold plated terminal posts
- Recommended power: 20W - 150W
- Sensitivity: 90dB(1W/1M)
- Frequency response: 40Hz to 20KHz +/-3dB
- 8-ohm nominal impedance
- Small perforated designer grille
- Mounting template and paint shield included
- Dimensions: 20.25" L x 8.89" W x 4.21" H
- Retail packaging

Soprano Series Outdoor Speakers

OS525 (Soprano Series)

5.25 Outdoor Speaker

- 5.25" Woofer with Mica mix cone
- 1" Teterone soft dome tweeter
- 1.25" voice coil
- 18dB /octave crossover network
- Thermal-sensing polymer switches to prevent blown tweeter
- Frequency response: 45Hz-20KHz ± 3dB
- Power handling: 100W RMS
- Sensitivity: 89dB(1W/1M)
- 6-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Weather resistant design with UV protected cabinet to prevent sun fade
- Aluminum grilles and brackets
- Stainless steel hardware
- Dimensions: 11" L x 6.75" W x 7.5" H
- Retail packaging

OS610 (Soprano Series)

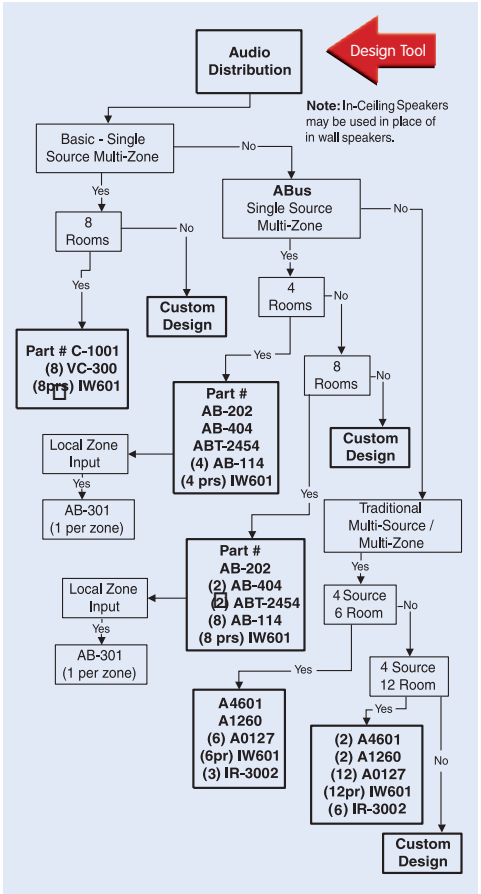
6.5 Outdoor Speaker

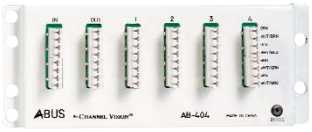
- 6.5" injected Polypropylene woofer with Butyl rubber surround
- 1" Fluid-cooled silk tweeter with 12oz. magnet structure
- 2nd Order Linkwitz-Riley crossover, 12dB per octave
- Thermal-sensing polymer switches to prevent blown tweeter
- Frequency response: 55Hz-20KHz ± 3dB
- Recommended power: 10W - 150W
- Sensitivity: 88dB(1W/1M)
- 6-ohm nominal impedance
- 14 AWG gold plated terminal posts
- Weather resistant design with UV protected cabinet to prevent sun fade
- Aluminum grilles and brackets
- Stainless steel hardware
- Dimensions: 13.5" L x 8.5" W x 8.75" H

Refer to wiring diagrams on page 5

Channel Vision's newest multi-room audio distribution system featuring A-BUS technology utilizes simple CAT-5 cable to provide audio source distribution to up to four locations quickly and easily. Providing stereo audio amplification, along with complete IR routing and remote control ability, this system is the most efficient and versatile whole house audio system available today.

Almond *Ivory* *White (shown with blue lights illuminated)*





AB-114

Amplified Keypad

- Audio amplification to in-room speakers
- IR receiver for control of external equipment
- Operable via remote control or local push-button
- Features blue backlit keypad and visual LED indicators for confirmation of IR, status and volume level
- Single gang box with Decora® faceplate installation (plate not included)
- Available in white, ivory, or almond

AB-202

Single Source Distribution Module

- Single CAT-5 output for audio distribution
- Single source input
- (4) IR emitter outputs for control of external equipment
- Status and IR feedback indicators

AB-301

Universal Input Module

- Versatile design allows for local zone or main source input
- (2) IR emitter outputs for control of external equipment
- Features both RJ-45 and 110 connectors for easy installation
- Single gang box with Decora® faceplate installation (plate not included)
- Available in white, ivory, or almond

AB-404

Panel Distribution Module

- Accepts source from AB-202 and distributes to four zones
- Provides power, status and IR distribution to all locations
- Output connector for system expansion
- Simple 110 punch down connection for easy install.
- AB-T2454 power transformer required

AB-500

Universal Remote Control

- Pre-programmed to control the volume of the AB-114 keypad
- Learns IR codes for up to 6 sources
- Features 4 macro buttons each with a memory capacity of up to 8 sequenced function commands
- 300msec delay between IR commands

Decora® is a registered trademark of Leviton Manufacturing Company.

AB-901

1 Source 4-Zone A-BUS Kit w/ Speakers

- (4) AB-114 Amplified Keypad
- (1) AB-202 Single Source Module
- (1) AB-404 4-Zone Distribution Hub
- (1) AB-500 Universal Remote
- (1) AB-T2454 Power for AB-404
- (4 pairs) IC602 6.5" In-Ceiling Speakers*
- (2) IR-3002 Dual IR Flasher
- (1) J-110 Punch Down Tool
- (4) Single gang Decora® plates included
- Available in white, ivory, or almond

AB-902

1 Source 4-Zone A-BUS Kit

- (4) AB-114 Amplified Keypad
- (1) AB-202 Single Source Module
- (1) AB-404 4-Zone Distribution Hub
- (1) AB-500 Universal Remote
- (1) AB-T2454 Power for AB-404
- (2) IR-3002 Dual IR Flasher
- (1) J-110 Punch Down Tool
- (4) Single gang Decora® plates included
- Available in white, ivory, or almond

AB-T2454

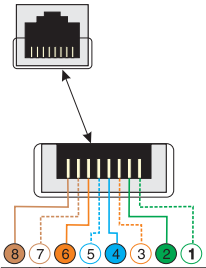
24VDC Power Supply

- Provides 24VDC (3.2A) for A-Bus system operation
- Modular construction with power on indicator
- 120VAC-240VAC input
- UL, CE, and TUV approved

C-0901 shown above

RJ45 Ethernet vs. A-BUS™

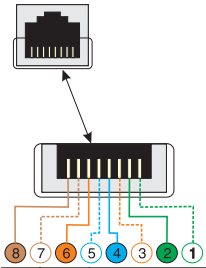
RJ-45 Socket



Pin	Signal	Function
8	NC	NotConnected
7	NC	NotConnected
6	RX-	Receive-ve
5	NC	NotConnected
4	NC	NotConnected
3	RX+	Receive+ve
2	TX-	Transmit-ve
1	TX+	Transmit+ve

Brown
Brown&White
Orange
Blue&White
Blue
Orange&White
Green
Green&White

A-BUS™ Socket



Pin	Signal	Function
8	24v	24v+ve
7	GND	Ground
6	RCH	RightChannel
5	STAT	Status
4	SIG	Signal
3	GND	Ground
2	LCH	LeftChannel
1	GND	Ground

A-BUS by CHANNEL VISION™

A-BUS is a registered trademark of LeisureTech Electronics Pty Ltd. Australia.

Refer to wiring diagrams on page 5

5005-B / 5005-W

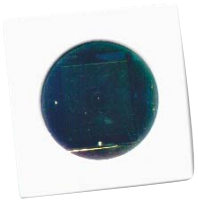
B/W Waterproof Bullet Camera

- Over 420 lines of resolution
- 0.05 lux sensitivity
- 3.6mm lens included
- Universal swivel mount included
- Miniature size and versatile design
- Choose from black or white casing
- Reverse polarity power input protection
- Power supply included

5021

Single Gang IR Illuminator

- Use with 5200 camera in double gang
- IR illumination to 30" away
- Flush mount in gang box
- 850NM illumination
- Power supply included



5102-FMC-II

Flush Mount Camera

- Weather resistant
- Flush or surface mount (box not included)
- 500 lines of resolution
- Adjustable camera mount
- 0.05 Lux, F2.0
- Available in tinted or clear face plates
- Works with any standard double gang box
- Power supply included

Optional swivel mount 5030 sold separately

5125

IR Night Vision B/W Camera

- Bracket adjustable for wall or ceiling
- 420 lines of horizontal resolution, 0 lux at F/2.0, 3.6MM board lens
- 1/3-inch CCD approx. 250,920 pixels in EIA and 291,000 in CCIR
- With IR sensitive B/W CCD camera sees in the dark for day and night monitoring up to 30 feet
- Compact appearance
- Power supply DC 12V included
- Camera Dimensions: 2-3/8" L x 2" Diameter
- U-Bracket Dimensions: 2-1/8" H x 2-1/8" W

5200

B/W Single Gang Box Camera

- 5401 B&W camera
- Adjustable mount
- Smoked acrylic with white decorative cover
- Includes gasket and power supply
- Fits with standard gang box

5305-B / 5305-W

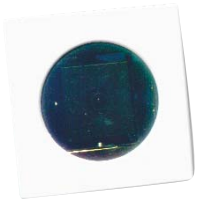
B/W Bullet Camera

- 1/3" Samsung CCD
- 400 Lines Of resolution
- 0.3 Lux, F2.0
- 3.6mm Lens
- Universal swivel mount included
- Sunshield included
- Weatherproof
- Power supply included
- Choose from black or off-white casing

5401

B/W Mini-Pinhole Camera

- 1/3" CCD sensor
- 500 Lines Of Resolution
- 0.05 Lux, F2.0
- 3.8mm Lens
- Ultra Compact Design 25mmx25mm
- Power Supply Included
- Mount Included



6002-FMC-II

Color Flush Mount Camera

- Weather resistant
- Flush or surface mount (box not included)
- 380 lines of resolution
- Adjustable camera mount
- 0.4 Lux, F2.0
- Available in tinted or clear face plates
- Works with any standard double gang box
- Power supply included

6005-B / 6005-W

Color Waterproof Bullet

- Over 380 lines of resolution
- .02 lux sensitivity changes to B&W camera
- 3.6mm lens included
- Universal swivel mount included
- Miniature size and versatile design
- Choose from black or white casing
- Waterproof
- Power supply included

6006

Color Minivision Camera

- 1/4" CCD Image Sensor
- 3.7mm Wide Angle Lens
- 0.5 Lux Low-Light Sensitivity
- Compact Size - 30mm x 30mm
- Power Supply Included
- Includes Mounting Bracket

6010

Color Bullet Camera w/Vari-focal Zoom Lens

- 1/3" DSP color Sharp CCD
- 380 lines of resolution
- 0.5 lux at F2.0 (standard)
- 4~9mm vari-focal manual zoom/ F1.6~F2.4
- Weatherproof
- 12VDC power, 90mA regulated included

6103 Dome

Color Dome Camera

- 1/3" super sensitive color CCD
- 380 lines of resolution
- 0.2 lux at F2.0
- 3.6mm standard lens
- Lens exchangeable with 5109 lens kit
- 12VDC power, 90mA regulated included

* Optional wall mount bracket available

6125-B (Black) / 6125-S (Silver)

IR Night Vision Color Camera

- Compact appearance
- Power supply DC 12V included
- Bracket adjustable for wall or ceiling
- 380 lines of horizontal resolution, 0.5 lux at F/2.0, 3.6MM board lens
- 1/3-inch CCD approx. 250,920 pixels in EIA and 291,000 in CCIR
- With IR sensitive color CCD camera sees black & white in the dark for monitoring up to 30 feet
- Choose from black or silver casing
- Camera Dimensions: 2-3/8" L x 2" Diameter
- U-Bracket Dimensions: 2-1/8" H x 2-1/8" W

For an image of the 6125-B, please refer to the 5125 image.

6200

Single Gang Box Color Camera

- 6401 color camera inside
- Adjustable mount
- Clear acrylic with white decorative cover
- Includes gasket and power supply
- Fits into standard gang box

6305-B / 6305-W

Color Bullet Camera

- 1/4" Sony color CCD
- 330 Lines of resolution
- 0.5 Lux, F2.0
- 3.6mm Lens
- Universal swivel mount included
- Sunshield included
- Weatherproof
- Power supply included
- Choose from black or off-white casing

6401

Color Mini-Pinhole Camera

- 1/3" Sharp color CCD
- 380 Lines of resolution
- 0.4 Lux, F2.0
- 3.8mm Lens
- Ultra Compact Design 25mmx25mm
- Power Supply Included
- Mount Included

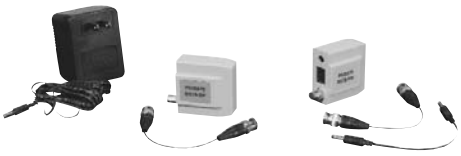
T-5.6

TFT Monitor w/Mounting Stand

- Screen size: 5.3 inch, 115.2(h) x 84.2(v)mm
- Resolution 960 x 234 dots
- Reverse image option
- Control contrast, color picture, tint, bright

VB-1

The Video Balun kit, VB-1, enables the user to easily distribute video signals and camera power via a single Cat-5 wire. It has an 800'-1600' run capability and is comprised of two components – the powered unit (**VBS78-SP**) and the unit placed at the camera location (**VBS78-PW**).



VS-4

4-Input Surveillance Camera Video Sequencer

- 2 monitor outputs
- BNC inputs and outputs
- Adjustable dwell time

VQ-4

4 Camera Input

- Quadrant or full picture viewing mode
- Auto Sequential Switching option
- Video/Quad out terminals

3108 Video Balun

- Converts composite video for transmission over twisted pair wire
- Uses a BNC connection, needs two per line

5030 Camera Swivel Mount

- 360 degree swivel for use with sizes 5125 & 6125 series cameras

W-Series

Web Camera Series

- Self-Contained HTTP Web Server providing Internet capability
- IP assignment via ARP / web page
- JAVA-base web page providing maximum platform compatibility
- Active-X control for Internet Explorer™ providing maximum performance
- Motion Detection / Date / Time / GPIO input for event trigger
- Email / FTP / Internal Buffer Storage / Relay Out for event action
- 3 layer User Security Control
- Remote upgradeable firmware and user content pages via FTP
- Server operating control through CGI base script easy for users to integrate the application
- Green power, fan less, hardware watchdog providing robustness system in critical environment

Refer to wiring diagrams on page 8

View us live at
http://home.channelvision.com
user: channel
password: vision

Packaged Solutions

Multi-Room Audio Video

CHANNEL VISION MAV kits include everything (except wire & cable) to create a high-performance and easy-to-use multi-room audio video distribution system. MAV kits feature CHANNEL VISION's "E Series" RF modulators which provide a powerful +25dBmV signal strength, LED channel display for easy set up and 2-year warranty. MAV kits include: a Low Pass Filter to clean up the selected CATV frequencies for distortion-free modulation; an RF Amplifier to boost the incoming television signal for proper system balance; and an Installation Accessory Pack that includes all the necessary hardware to complete the job right out of one box.

Multi-Room Audio Video Kits:

MAV-2 2-Source Modulated A/V Distribution Kit Includes:
- (1) E2200 Digital RF Modulator
- (1) 3102-78 RF Low Pass Filter
- (1) CVT-10PIA 10dB RF Amplifier
- (1) Installation Accessory Pack

MAV-3 3-Source Modulated A/V Distribution Kit Includes:
- (1) E3200 Digital RF Modulator
- (1) 3102-78 RF Low Pass Filter
- (1) CVT-10PIA 10dB RF Amplifier
- (1) Installation Accessory Pack

RAC

CHANNEL VISION's RAC Kit is the most convenient residential access control system available. It creates a complete audio and visual link between your front door or entry gate to every telephone and television in your house. The kit includes our TE110 telephone entry system which sends a distinctive ring to every telephone when the doorbell is pressed. The RF mini modulator creates a new television channel for the intercom camera. The kit comes complete (except wire and cable) and includes a CAD system diagram and easy to follow step-by-step installation instructions.

Residential Access Control Kit:

RAC-Kit includes:
- (1) TE110 Telephone Entry System
- (1) CVT1mini-III Digital RF Modulator
- (1) CVT-10PIA 10dB RF Amplifier
- (1) 3102-78 Low Pass Filter
- (1) IU-5000 Series Intercom Unit (available in white, polished brass, antique brass, chrome, oil-rubbed bronze, antique copper, satin silver, black, and satin nickel)
- (1) Accessory Pack of combiner, adapters & connectors (not shown in photo)

- **Creates a television channel for the intercom camera.**
- **Includes everything you need (excluding coax) to complete the job right, the first time out.**
- **Enables the user to speak to a visitor at the door/gate through any telephone in the house.**
- **See the visitor from any television in the house.**
- **Modulator: 1 input; provides the highest power in its class (30dBmV), features an LED channel display, PLL digital circuitry w/ non-volatile memory, a wide channel range (UHF 14-78 Cable 65-135 (Excluding 95-99), and built-in stereo loop through connections**
- **IU-5000 Intercom Unit, made of 1/4" thick solid brass, comes equipped with a high-resolution B/W camera, wide-angle lens, weather-resistant speaker /microphone, and doorbell button that all fit neatly into a single gang box.**

Home Surveillance

The HomeVision Kit is the most convenient home surveillance system available. It provides the homeowner peace-of-mind by creating a channel for each camera that allows the user to see a visitor at the front door or the children playing in the yard by simply changing the television channel. Each kit has been carefully designed to include a selection of the finest CCTV cameras, modulators, filters, amplifiers and accessories. A CAD system diagram and simple step-by-step installation instructions are included for your reference.

HV-2B shown above

Home Surveillance Kits:

HV-1B /HV-1W
1-camera Home Surveillance Kit
- (1) 5005 B/W Camera (black or white casing)
- (1) 3102-78 RF Low Pass Filter
- (1) CVT1-mini-III Digital RF Modulator
- (1) Installation Accessory Pack
- (1) CVT-10PIA 10dB RF Amplifier

HV-2B/ HV-2W
2-camera Home Surveillance Kit
- (2) 5005 B/W Camera (black or white casing)
- (1) 3102-78 RF Low Pass Filter
- (1) CVT2ub/uhf-II Digital RF Modulator
- (1) Installation Accessory Pack
- (1) CVT-10PIA 10dB RF Amplifier

HV-2CB/ HV-2CW
2-camera Home Surveillance Kit
- (2) 6005 Color Camera (black or white casing)
- (1) 3102-78 RF Low Pass Filter
- (1) CVT2ub/uhf-II Digital RF Modulator
- (1) Installation Accessory Pack
- (1) CVT-10PIA 10dB RF Amplifier

Digital RF Modulators

E1200 Micro Modulator*

- 25dBmV output
- Wide channel range cable 65-135 (excluding 95-99) UHF 14-78
- Push button channel selector
- Non volatile memory
- Unaffected by voltage brownouts
- Video level adjustment

E2200 / E3200 / E4200 Modulator*

2 / 3 / 4 Input Modulator

- 25dBmV output
- LED channel display, Video level adjustment
- Wide channel range UHF 14-78, cable 65-135 (excluding 95-99)
- Push button channel selector
- Non-volatile memory

CVT1 / 2 / 3 ub/uhf-ll*

1 / 2 / 3 Input Modulator

- Full 30+dBmV output (adjustable)
- Easy channel set-up
- PLL crystal controlled oscillator
- Antenna 14-78, cable 59-135 (excluding 95-99)
- LED channel display, Video level adjustment
- Non volatile memory
- Unaffected by voltage brownouts

CVT1stereo-ll*

One Input MTS Stereo Modulator

- 20+dB separation
- Full 30+dBmV output (adjustable)
- PLL crystal controlled oscillator
- Antenna 14-78, cable 59-135 (excluding 95-99)
- LED channel display, Video level adjustment
- Non volatile memory
- Unaffected by voltage brownouts
- External 75 ohm/1K ohm switch for stereo loop connections
- Push button channel selector

CVT1mini-lll*

One input miniature modulator

- Full 30+dBmV output
- Ultraband antenna 14-78, cable 65-135 (excluding 95-99)
- PLL digital circuitry
- LED channel display, Video level adjustment
- Non volatile memory
- Stereo loop through connections
- Impedance matching (adjustable)
- Unaffected by voltage brownouts

VDA-12

1 in 12 out Audio / Video Baseband Distribution Amplifier

- 17" component
- High power output drive stage
- 500 lines resolution
- Video S/N ratio: 57dB
- Audio S/N ratio: 49dB
- Video gain adjustable
- Built-in clamp circuit, gold plated RCA socket
- Inline power adapter for cleaner installations

Using a CHANNEL VISION modulator, an idle television channel can be transformed to an internal channel on which the output of any video source such as the VCR, satellite receiver, DVD player, security camera, or computer video card can be viewed. It will be possible to see any video source at every television in the house by simply switching to that modulated channel.

**These modulators are also available as retail versions (R-series) with a maximum output of 15dB per FCC regulations.*

Modulator Accessories

RM-19SC

- 19" Security cover for use with

RM-19

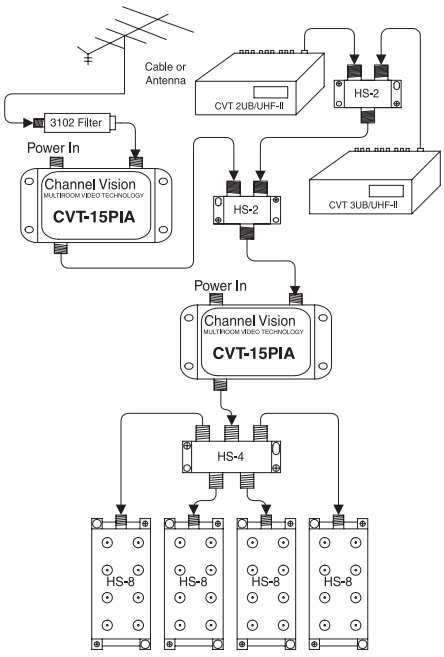
- 19" Rack mount adapter sleeve
- Fits all CVT table-top modulators
- 3.5" in height

Refer to wiring diagrams on pages 8, 32, & 44

RF Amplifiers & Splitters

CHANNEL VISION provides a full line of RF amplifiers and splitters that make it easy to send television signals to multiple locations or long distances while actually improving the picture performance. Whether your system is large or small, CHANNEL VISION has the solution. Our CVT-15PIA power injected amplifier provides the lowest induced noise figure available and features a bi-directional return path for use with interactive TV, addressable cable box converters, and cable modems. Our amplified splitters provide high performance, extended reliability and simplified installations.

Large Home Run System w/ Multiple Modulators



CVT-10PIA

1 in 1 out 10dB Amplifier, DC passing for remote power (optional part CVT-PI)

- Bi-directional power injected down the coax
- 5-42MHz return path for interactive TV, 54-1000MHz forward path
- Phantom powered via a CVT-PI power injector (power injector not included)

CVT-1/2PIA

1 in 2 out 10dB Amplifier

- IR passing all ports
- 5-42MHz return path for interactive TV, 54-1000MHz forward path
- Power supply and 18" coax connector included
- Phantom powered via a CVT-PI power injector (power injector not included)

CVT-15PIA

15dBmV RF Signal Strength

- 1GHz broadband amplification
- Ultra low noise - less than 3dB
- Power input via coax connection (included)
- 5-42MHz bi-directional return path
- Surface mount components for long life
- 12V power supply included
- Phantom powered via a CVT-PI power injector (power injector not included)

CVT-2/4PIA-II

Amplified 4-way RF Splitter

- 8dB signal gain per output compared to a 7dB loss associated with most 4-way splitters
- Internally combined modulator/cable input
- 5-42MHz bi-directional return path
- Power input via coax connection (included)
- 12V power supply included

CVT-2/8PIA-II

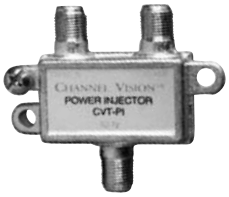
Amplified 8-way RF Splitter

- 4dB signal gain per output compared to an 11dB loss associated with most 8-way splitters
- Internally combined modulator / cable input
- 5-42MHz bi-directional return path
- Power input via coax connection (included)
- 12V power supply included

CVT-38BID

38dB High Gain RF Amplifier

- 50dBmV output level (typical)
- 5-42MHz return path
- 54-1000MHz frequency range
- 0-20dB gain control
- 0-20dB tilt control
- Internal power supply



CVT-PI

Power injector

- Back feeds power to a CVT-10PIA,CVT-1/2PIA, or CVT-15PIA, from a remote 110V outlet

HS-2*

2-way Splitter / Combiner

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 3.5dB insertion loss
- Machine threads, grounding screw

HS-3*

3-way Splitter / Combiner

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 5.5dB insertion loss
- Machine threads, grounding screw

HS-4*

4-way Splitter / Combiner

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 7.0dB insertion loss
- Machine threads, grounding screw

HS-6

6-way Splitter / Combiner

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 9.0dB insertion loss
- Machine threads, grounding screw

***HS-2, HS-3 and HS-4 are also available in retail packaging (R-series).**

HS-8

8-way Splitter / Combiner

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 11.0dB insertion loss
- Machine threads, grounding screw

HS-8V

8-way Vertical Splitter

- 5-1000MHz bandwidth
- 11.0dB typical insertion loss
- DC/IR passing

HS-16

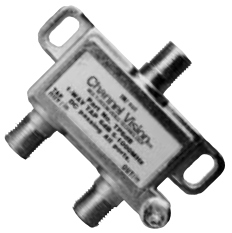
16-way Splitter

- PCB printed circuit board design
- Nickel plated housing
- DC / IR passing all ports
- 5-1000MHz bandwidth
- 15.0dB insertion loss
- Machine threads, grounding screw

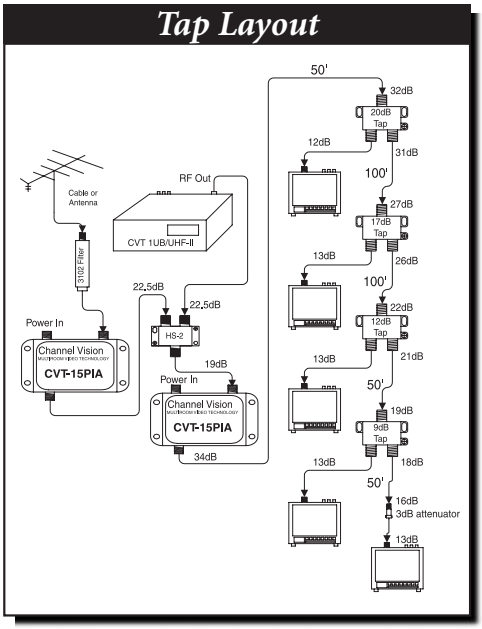
TP6dB (6dB)
TP9dB (9dB)
TP12dB (12dB)
TP16dB (16dB)
TP20dB (20dB)
TP24dB (24dB)

Line Tap

- 1dB loss
- DC passing

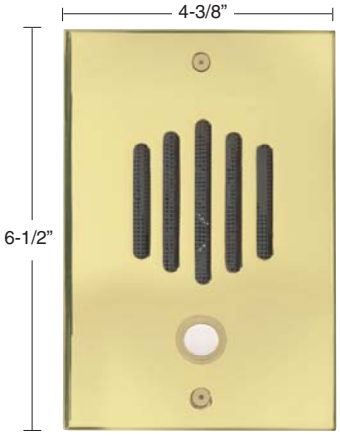


Tap Layout



Residential Front Door Intercom

CHANNEL VISION's DP and IU Series integrates weather-resistant speaker / microphone, doorbell button, and wall plate into one entry unit. Combine these 1/4" thick solid brass door plate with a Channel Vision RF modulator and telephone entry system (sold separately) for a complete residential audio/video access control package. These front door plates are available with or without a camera (B/W or color), and may be modified to be compatible with Panasonic® systems. Choose from a variety of finishes: white, polished brass, antique brass, chrome, oil-rubbed bronze, antique copper, satin silver, black powder coat, and satin nickel.



DP-Series

1/4" thick Solid Brass Plate

- Black metal screen and waterproof mylar speaker, 8 ohm, 0.5 watt
- Available in 2 versions: compatible with the Channel Vision TE110/C-0920 system or with Panasonic® KSU front door electronics
- Optional B&W or color camera
- Mounting boxes are required for installation. Surface mount: DP-9001 is included with the white door plate and DP-9002 is included with all other finishes. Rough-in box DP-RBox-II is available separately (see opposite page) *DP-series will not fit standard junction boxes.
- Intercom interface (sold separately) is required. Two Channel Vision models available: C-0920 - page 18 or TE110 - opposite page *Panasonic® compatible models operate exclusively with Panasonic® KSU products.
- Dimensions: 6 1/2" (L) x 4 3/8" (W) x 1/4" (D)

IU-Series

1/4" thick Solid Brass Plate

- Black metal screen and waterproof mylar speaker, 8 ohm, 0.2 watt
- Available in 2 versions: compatible with the Channel Vision TE110/C-0920 system or with Panasonic® KSU front door electronics
- Optional B&W or color camera
- Requires use with a standard single gang box J-Box mounting (sold separately)
- Intercom interface (sold separately) is required. Two Channel Vision models available: C-0920 - page 18 or TE110 - opposite page *Panasonic® compatible models operate exclusively with Panasonic® KSU products.
- Dimensions: 4 1/2" (L) x 2 3/4" (W) x 1/4" (D)

*Refer to page 50 for the DP/IU series part numbering system.

DP-Series Back View

(Panasonic compatible w/ Camera)

White (212)

Brass (222)

Antique Brass (232)

Chrome (242)

Oil-Rubbed Bronze (252)

Antique Copper (262)

Satin Silver (272)

Black (282)

Satin Nickel (302)

Panasonic® is a registered trademark of Matsushita Electric Industrial Co.,Ltd.

TE110

1/4" thick Solid Brass Plate

- Uses existing phone wiring
- Doorbell button sends a distinctive ring to phones to alert you that a visitor has arrived
- Seamless call waiting
- 3 different distinctive ring patterns
- Surface mount components for longer life
- Enclosure: C-0111 (12-3/4" x 7-1/2" mini security panel) includes lock and key
- Power Supply: 12VACDC, 500mA included
- Wiring: 2-conductor twisted pair between main board and companion board
- Also available as a snap in component for the structured wiring panels (refer to page 18)
- 2-Year Warranty

TE110BK

Telephone Entry Kit

- Includes a TE110 and an IU-0282 black intercom unit

TE110BK

TE110WT

Telephone Entry Kit

- Includes a TE110 and an IU-0212 white intercom unit (not shown)

CHANNEL VISION's Telephone Entry System creates a communication link between your front door and every telephone in the house. The TE110 sends a distinctive ring to every telephone when the doorbell is pressed. Simply pick up any telephone handset to begin speaking to the visitor or by pressing "#" or "*" at any time. The TE110 also includes an option to operate a door strike relay when used with the TE110DS (sold separately). Combine this unit with a CHANNEL VISION RF modulator and Front Door Intercom Camera Unit for a complete and easy to use residential audio/video access control package.

Refer to wiring diagrams on page 7

TE110DS

Door Strike Relay

- For use with the TE110 system
- Compact size allows for versatile installation
- Single gang box stainless cover for easy installation and access
- Door strike not included
- Screw terminal wire connection

DP-RBox-II

Metal Flush Mount Rough-In Box

- For use with DP-series (sold separately)
- Dimensions: 6-1/8"(H) x 4"(W) x 3-1/4"(D)

DP-RBox-II

DP-9001 (White)
DP-9002 (Black)

Metal Surface Mount Box

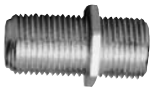
- For use with DP-series
- DP-9001 is included with the white door plate
- DP-9002 is included with all other finishes.
- Dimensions: 6-7/16"(H) x 4-3/8"(W) x 1-3/4"(D)

DP-9002

Satellite Distribution

CHANNEL VISION offers the finest products for multi-receiver satellite distribution, featuring 2GHz splitters, diplexers, LNB amplifiers and multi-switches.

Sat-20dB
LNB Amplifier
- 20dBmV gain
- 950-2250MHz
- DC passing
- Powered by receiver



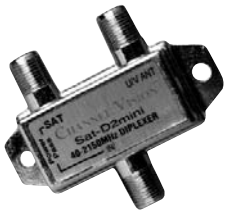
Sat-2102
2GHz Barrel Splice

Sat-22T
22KHz Tone Generator
- For use with Sat-HD58 when using 3LNB system

Sat-BS2
2-way Broadband Satellite Splitter
- 54MHz-2GHz
- DC pass one way

Sat-BS4
4-way Broadband Satellite Splitter
- 54MHz-2GHz
- DC pass one way

Sat-D2 Hybrid Diplexer
Combines or Splits Satellite & RF signals through one cable line
- 40-860MHz
- 950-2050MHz
- Available in retail packaging **(R-Sat-D2)**



Sat-D2 Mini Diplexer
Satellite & RF Combiner / Splitter
- Mini version
- 40-860MHz
- 950-2400MHz

Sat-HD58
5 in 8 out HDTV Multiswitch
- 5 inputs: 4 for satellite, 1 for terrestrial
- Amplified antenna/cable input -2dBmV
- Single coaxial cable conveys both satellite and terrestrial signal
- Select satellite signal by 14V/18V and 0/22KHz tone provided by receivers
- Max 600mA DC pass to LNB as operational power *(Sat-22T included for 3LNB system)

Sat-MS34A
3 in 4 out Multiswitch
- Dual LNB + Cable/Antenna to 4 outputs
- +2dB antenna gain
- Powered by receiver

Refer to wiring diagram on page 9

Spaun Satellite Distribution

SBK5502NF

Spaun Amplifier for HDTV Cascade

- Off-air distribution push- pull
- U/V gain 29dB
- Sat gain 24-28dB
- Remote power 2 x 400mA
- Must be used with DMK5562F or DMK5582F

DMK5562F (6-way)
DMK5582F (8-way)

Spaun Cascadable Multi-Switch for HDTV

- 5 in 6 out or 5 in 8 out
- Return path compatible
- U/V gain 7dB
- Sat gain 4.5dB
- Must be used with SBK5502NF

NVF5522SR

Spaun Post Stage Amplifier

- Duo-Sat
- HDTV cascade
- Push-pull off-air technology
- System amplifier powered
- U/V gain 20dB; Sat gain 12-18dB
- For use with DMK5562F/DMK5582F and SBK5502NF

SMS341F

Spaun Brand 4-way Multiswitch

- Dual LNB + cable / antenna to 4 outputs
- 12dB antenna through loss
- High isolation for trouble-free reception

SMS3403NF (4-way)
SMS3603NF (6-way)
SMS3803NF (8-way)

Spaun Brand Multiswitch

- Dual LNB amplified cable / antenna to 4 / 6 / 8 outputs
- 2dB antenna gain
- Provides constant LNB voltage
- High isolation for trouble-free reception
- Powered by 120VAC

SMS5602NF (6-way)
SMS5802NF (8-way)
SMS51202NF (12-way)
SMS51602NF (16-way)

Spaun Brand Multiswitch

- HDTV compatible & ready
- Dual LNB + amplified CATV/ antenna to 4 / 6 / 8 / 12 / 16 outputs
- 2dB antenna gain
- Provides constant LNB voltage; vertical voltage
- Horizontal provided by receiver
- High isolation for trouble-free reception
- Powered by 120VAC

We also provide German-manufactured Spaun multi-switches, the finest available today. They are flexible, reliable, easy to install, and are fully compatible with all DBS systems. (One-year warranty on Spaun products.)

**For a complete list of the Spaun products we offer, please refer to our price list.*

Refer to wiring diagram on page 9

SBK3203NF

Spaun Cascade Amplifier

- Off-air amplifier push-pull
- VHF gain 25-20dB
- UHF gain 15dB
- Sat gain 20-28dB
- Must use with SMK2241F or SMK2261F

SMK2241F (4-way)
SMK2261F (6-way)

Spaun Cascadable Multi-Switch

- 2 in 4 out or 2 in 6 out
- Polarity controlled by receiver
- Passes both SAT-1F and off-air
- Sat gain 33-45dB
- Must use with SBK3203NF

NVF220SR

Spaun Post Stage Amplifier

- Dual line cascade
- DC thru
- Remote powered
- U/V/F gain 1-8dB
- Sat gain 14-20dB
- For use with SMK2241F/ SMK2261F & SBK3203NF

RF Distribution Panels

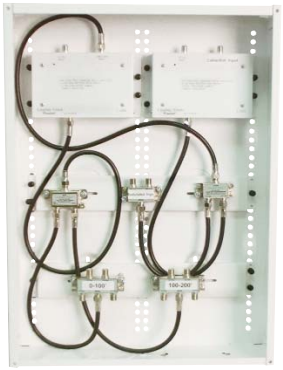
Whether your system calls for a home with eight televisions or a sports bar with over 70 units, CHANNEL VISION has the RF distribution panel to fit your system. Panels are available in 3-inputs with 8-outputs design for cable runs up to 200 feet or 3-inputs with 12-outputs design for cable runs up to 300 feet. They are pre-configured to take the guesswork out of system installation with an easy "plug-and-play" design. For larger systems, we provide custom-made RF panels. Simply call with your system criteria and a custom panel will be made and shipped to you, ordinarily within 15 days. Custom work sheet located on page 47.

DP Custom

CHANNEL VISION manufactures "made-to-order" RF distribution panels. Each panel is individually designed and built by a CHANNEL VISION technician to match your exact system criteria. Simply call with your system information (i.e. number of inputs, outputs and cable distances) and a CAD drawing of your panel will be prepared and faxed back to you, usually within 24 hours. A CHANNEL VISION custom-made RF distribution panel is an absolute necessity when video quality is essential, such as: sports bars, hotels, schools, hospitals and large homes that have multiple television sets and/or long cable runs. CHANNEL VISION custom RF panels provide the perfect amount of signal strength to every television in the system and require no external amplification or attenuation. They are truly the definition of "plug-and-play."

- **Free system design**
- **Custom designed to exactly match your system criteria**
- **Includes the highest quality CHANNEL VISION Components**
- **Plug and Play design and labeling simplifies installations**
- **An absolute necessity for large systems such as sports bars, hotels, schools, hospitals and large custom homes**

Refer to page 47 for custom worksheet

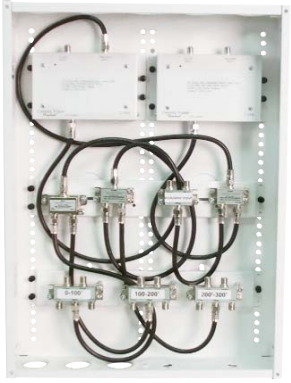


DP-3/8-II

- "Future Ready" bi-directional return path for use with cable modems & addressable cable converters
- PCB based splitters DC passing all ports
- Low noise (only 3dB)
- High quality RF amplifiers
- Power injected through the coax
- RG6U cable interconnects
- Vented front cover included
- CHANNEL VISION panel
- 16 gage steel

3 Inputs, 8 outputs For Distances Up To 200'

Antenna Inputs	1
Modulator Inputs	2
RF Outputs	8
4 outputs 0'-100'	(18dB)
4 outputs 100'-200'	(21dB)
Antenna Input Max.	28dB
Modulator dB In	28dB
Antenna Amp.	15dB
Gain Amp.	15dB
Power	117VAC, 60Hz
Return Path	5-42MHz
Forward Path	54-1000MHz
Impedance	75ohm
Response	+/-1dB<900MHz
Cabinet Steel	Color White
Dimensions	19"(H) x 14"(W) x 3 5/8"(D)



DP-3/12-II

- "Future Ready" bi-directional return path for use with cable modems & addressable cable converters
- PCB based splitters DC passing all ports
- Low noise (only 3dB)
- High quality RF amplifiers
- Power injected through the coax
- RG6U cable interconnects
- Vented front cover included
- CHANNEL VISION panel
- 16 gage steel
- Powder coated white

3 Inputs, 12 outputs For Distances Up To 300'

Antenna Inputs	1
Modulator Inputs	2
RF Outputs	12
4 outputs 0'-100'	(15dB)
4 outputs 100'-200'	(20dB)
4 outputs 200'-300'	(25dB)
Antenna Input Max.	28dB
Modulator dB In	28dB
Antenna Amp.	15dB
Gain Amp.	15dB
Power	117VAC, 60Hz
Return Path	5-42MHz
Forward Path	54-1000MHz
Impedance	75ohm
Response	+/-1dB<900MHz
Cabinet Steel	Color White
Dimensions	19"(H) x 14"(W) x 3 5/8"(D)

M2000

- RF & Satellite Field Strength Meter
- Rapidly measures total energy content in the three frequency bands
- 50MHz-1550MHz
- Allows fast adjustment of satellite dish azimuth, tilt and elevation
- Quickly spots RF distribution system problems
- Compatible with CATV and antenna systems, DirecTV and Dish systems, and elliptical dishes (2 and 3LNB)
- Hand held, easy to read in light/deep
- Power Source: 9V Alkaline Battery and Satellite Receiver Voltage
- Accessory: Sat-22T
- Dimensions: 6.5"(L) x 3"(W) x 1.25"(H)

1000 RF Kit

Kit includes: (4) HS-2's, (3) HS-3's, (4) HS-4's, (5) 2105's, (5) 2126's, (5) 3000-3's, (5) 3000-6's, (5) 3000-10's, (2) 3000-20's, (50) 2101's, (50) 2104's, (25) 2104-QS's, (25) 2102's

1000A RF Kit

Kit includes: (4) HS-2's, (3) HS-3's, (4) HS-4's, (5) 2105's, (5) 2126's, (5) 3000-3's, (5) 3000-6's, (5) 3000-10's, (2) 3000-20's, (25) 2101's, (50) 2133, (25) 2134

1003

- F connector tool
- Screwdriver type
- Used to remove/install F-connectors in difficult spaces

1004 (R-1004)

- Coax Stripper, self-adjusting
- High quality roller guides
- Available in retail packaging
- Extra blades available/ 1004-Blade

1005

RF tool & connector kit includes: (1) 1004, (1) 1011, (1) 1003, (100) 2104, (20) 2102, (20) 2101, (2) HS-2, (1) HS-4, (1) 1006

1011

- Crimp tool
- For RG58, 59 & 6
- Ratchet type

1014

- Crimp tool for Cat5/Tele/Data
- 7.5" size

1015

- F connector tool
- Push and seal
- Use with 2133 and 2134 F connectors

1016

- Coax cutter

1017

- Punchdown tool
- 4 pair -110
- Soft rubber handle grip
- Cut blade on one side

1115 - Black
1116 - White

- RG6 cable clip with nail

2001 (white)
2002 (ivory)

- Wall plate with F connector

2003

- Stainless steel BNC wall plate only

2006

- Stainless dual BNC (wall plate only)

2009

- Wallplate RF & Telephone
- White
- Inexpensive price

2101

- F-male terminator
- 75 ohm

2102

- Double female F-splice
- 1GHz passing
- 0.5dB loss

2103

- F-connector crimp on type for RG59

2103-W

- F-connector crimp on type for RG59, with waterproof O-ring

2104

- F-connector crimp on type for RG6
- Available in retail packaging (10 pc bag) - **R-2104**

2104-C

- F-connector for RG6 compression type

2104-W

- F-connector crimp on type for RG6, with waterproof O-ring

2104-QS

- F-connector crimp on type for RG6 quad shield

2104-QSC

- F-connector for RG6 quad shield with O-ring
- Compression type

2105

- F-female to BNC-male

Connectors & Accessories

2106
- BNC twist on type RG59
- Available in retail packaging (10 pc bag) - **R-2106**

2117
- BNC crimp on RG59 female

2129
- BNC female to RCA male connector

2107
- BNC three female

2118
- BNC female, 2-piece plenum

2131 Q11
- RG6 interconnect 11" long with F-connector

2108
- BNC double female splice

2119
- BNC male, 2-piece plenum

2131 Q17
- RG6 connector 17" long with F-connectors

2109
- BNC 75ohm terminator

2120
- BNC "T" 2 female - 1 male

2133
- F-type connector
- Push and seal for RG6 (black)
- Waterproof
- Use 1015 push and seal tool

2110
- BNC twist on type for RG6

2121
- BNC ferrule-RG59
- 100 per bag

2134
- F-type connector
- Push and seal for RG6 quad (blue)
- Waterproof
- Use 1015 push and seal tool

2113
- BNC crimp on type RG6 2-piece

2122
- BNC ferrule-RG6
- 100 per bag

2140HQ
- F-Connector
- HQ F-Connector with gold center pin waterproof
- Waterproof seal

2114
- BNC crimp on type RG59 2-piece

2123
- F-90° right angle

2141HQ
- F-connector
- F-connector with gold center pin-indoor
- Solderless cable connection

2115
- F to UHF adapter

2126
- F female to RCA male connector

2201
- F connector
- Grounding block

2116
- BNC crimp 3-piece

2127
- RCA female to BNC male connector

2202
- Dual F connector
- Grounding block

2203
- F to F male coupler, 1/2" length

3107
- Audio "Y" compensator 15k ohm RCA female to RCA male
- Loop 2 receivers using 3104

5030
- Camera swivel mount (Black)

3000-3 (3dB)
3000-6 (6dB)
3000-10 (10dB)
3000-20 (20dB)
- Attenuator

3108 Video Balun
- Converts composite video for transmission over twisted pair wire
- Uses a BNC connection
- Needs two per line

5104-MIC
- Microphone to add audio to any camera
- Require separate 5019, cannot be combined w/camera power

3101
- Cable box combiner
- Maps modulated channel around cable box converter

3109
- DC block

5106
- Double gang mud ring

3102-60
- Low pass filter
- Blocks CATV channels above 60, 4 channel slope
- Provides open / clean channels for modulation above channel 64

3110-tilt
- Tilt compensator for use with TV runs over 200'

5107
- Waterproof, surface mount double gang box

3102-78
- Low pass filter
- Blocks CATV channels above 78, 4 channel slope
- Provides open / clean channels for modulation above channel 82

3203
- Single channel elimination filter (1 channel slope)
- Allow 4-6 weeks for delivery

G-Kit 1 (white)
- Multimedia Wallplate Kit
- (1) G-4DGW screwless wallplate, (1) G-C3AW, (1) G-C5AW, and (2) G-IFCW inserts, plus snap-on labels

3102-105
- Low pass filter
- Blocks CATV channels above 105, 4 channel slope
- Provides open / clean channels for modulation above channel 109

3204
- Single channel elimination filter (no slope)
- Allow 4-6 weeks for delivery

G-Kit 1-C5 (white)
- Multimedia Wallplate Kit
- (1) G-4DGW screwless wallplate, (2) G-C5AW, and (2) G-IFCW inserts, plus snap-on labels

3102-118
- Low pass filter
- Blocks CATV channels above 118, 4 channel slope
- Provides open / clean channels for modulation above channel 122

3205/61-68
- Low/high pass tier filter
- Blocks CATV 61-68
- 2 channel slope
- 50dB stop band attenuation

G-Kit 2 (white)
- Soho Wallplate Kit
- (1) G-4DGW screwless wallplate, (2) G-C3AW, (1) G-C5AW, (1) G-I-B-W inserts, plus snap-on labels

3102-Custom
- Custom low pass filter
- Blocks above a selected channels (4 channel slope)
- Allow 4-6 weeks for delivery

3205/71-78
- Low/high pass tier filter
- Blocks CATV 71-78
- 2 channel slope
- 50dB stop band attenuation

G-Kit 2-C5 (white)
- Soho Wallplate Kit
- (1) G-4DGW screwless wallplate, (3) G-C5AW, and (1) G-I-B-W inserts, plus snap-on labels

3104 HQ
- High quality gold plated "Y" connector. For splitting composite audio and video

5019 9VDC 300mA
5018 12VDC 700mA
5016 14VDC 700mA (for models TE-200, TE-200-PCB)
5017PS 12VDC 1Amp

G-Kit 3 (white)
- TV Outlet Wallplate Kit
- (1) G-2DGW screwless wallplate, (1) G-C3AW, and (1) G-IFCW inserts, plus snap-on labels

Connectors & Accessories

G-Kit 3-C5 (white)
- TV Outlet Wallplate Kit
- (1) G-2DGW screwless wallplate, (1) G-C5AW, and (1) G-IFCW inserts, plus snap-on labels

G-Kit 4 (white)
- TV Plus Wallplate Kit
- (1) G-4DGW screwless wallplate, (1) G-C3AW, (1) G-I-B-W, & (2) G-IFCW inserts, plus snap-on labels

G-Kit 4-C5 (white)
- TV Plus Wallplate Kit
- (1) G-4DGW screwless wallplate, (1) G-C5AW, (1) G-I-B-W, & (2) G-IFCW inserts, plus snap-on labels

G-Kit 5 (white)
- Phone Outlet Wallplate Kit
- (1) G-2DGW screwless wallplate, (1) G-C3AW, and (1) G-I-B-W inserts, plus snap-on labels

G-Kit 5-C5 (white)
- Data Outlet Wallplate Kit
- (1) G-2DGW screwless wallplate, (1) G-C5AW, and (1) G-I-B-W inserts, plus snap-on labels

G-Kit 6 (white)
- In House Video Wallplate Kit
- (1) G-2DGW screwless wallplate, (1) G-I-B-W, and (1) G-IFCW inserts, plus snap-on labels

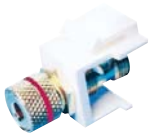
G-Kit 8 (white)
- 2-Port Custom Wallplate Kit
- (1) G-2DGW screwless wallplate and (2) G-I-B-W and inserts, plus snap-on labels

G-1GW / J-1G
G-2GW / J-2G
G-3GW / J-3G
G-4GW / J-4G
G-6GW / J-6G
- 1, 2, 3, 4, or 6 jack gang plate
- Available in:
  White (G-xGW)
  Almond (J-xGA)
  Ivory (J-xGI)

G-2DGW / J-2DG
- 2-jack gang plate
- Available in:
  White (G-2DGW)
  Almond (J-2DGA)
  Ivory (J-2DGI)

G-3DGW / J-3DG
- 3-jack gang plate
- Available in:
  White (G-3DGW)
  Almond (J-3DGA)
  Ivory (J-3DGI)

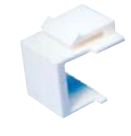
G-6DGW / J-6DG
- 6-jack gang plate
- Available in:
  White (G-6DGW)
  Almond (J-6DGA)
  Ivory (J-6DGI)



G-BJB-W (Black)
G-BJR-W (Red)
- Banana jack
- Gold plated
- Jack insert (white)

G-C3AW / J-C3A
- Plate insert
- Voice grade, 6P6C, USOC
- Available in White (G-C3AW) Almond (J-C3AA), Ivory (J-C3AI)

G-C5AW / J-C5A
- Plate insert
- Cat 5E, 8P8C, T568A, 110E
- Available in White (G-C5AW) Almond (J-C5AA), Ivory (J-C5AI)



G-I-B-W / J-I-B
- Blank insert
- Available in:
  White (G-I-B-White)
  Almond (J-I-B-Almond)
  Ivory (J-I-B-Ivory)

G-IBNC-W / J-IBNC
- BNC connector
- Jack insert
- White (G-IBNC-W) Almond (J-IBNC-A) Ivory (J-IBNC-I)

G-IFC-W / J-IFC
- F-connector
- Jack insert
- White (G-IFC-W) Almond (J-IFC-A) Ivory (J-IFC-I)

G-IF/RCAW / J-IF/RCA
- RCA to F-connector adapter
- For use with subwoofer
- Gold plated
- White (G-IF/RCAW), Almond (J-IF/RCAA), Ivory (J-IF/RCAI)

G-IRCA-W / J-IRCA
- RCA insert type connector
- Available in:
  White (G-IRCA-W)
  Almond (J-IRCA-A)
  Ivory (J-IRCA-I)

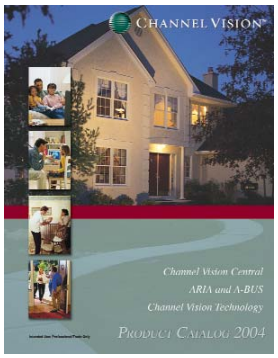
J-101-88
- C5 connector (clear)
- Easy wire insert

J-101-8S-C5
- C5 shielded connector (chrome)

J-110-Tool
- 110 punch down tool (yellow)
- Jacket stripper
- Inexpensive price

J-66-C3
- RJ116P6C round wire

J-BPB (Black)
J-BPR (Red)
- Banana plus
- Premium solderless
- Gold plated



2004 Product Catalog

- Includes information on all product lines: Channel Vision Central structured wiring, ARIA and A-BUS audio distribution, and Channel Vision Technology multi-room video distribution
- Contains wiring diagrams and a custom design worksheet
- #**LIT-204**

2004 Catalog CD

- Business card-sized CD
- Contains a high-rez copy of the 2004 Product Catalog plus additional spec sheets on new products, and a printable custom design worksheet
- Plastic sleeve included
- #**LIT-204CD**

System Design Made Easy Brochure

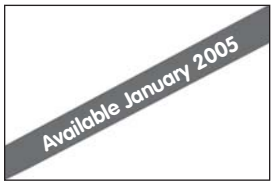
- Provides 7 flow charts to guide you through designing systems for structured wiring, video, modulation, phone system, data, satellite, and multi-source/multi-zone audio systems
- Quick reference product page included
- 11" W x 8.5" H
- #**LIT-303**

Inside the Well-Connected Home Brochure

- Introduces the homeowner to the benefits of structured wiring
- Comes in packs of 25
- 3.75" W x 8.5" H (for use with the LIT-504 showroom structured wiring display or any standard tri-fold brochure holders)
- #**LIT-304**

Showroom Structured Wiring Display

- Fully wired 19" structured wiring system for the showroom
- Use as flush mount, surface mount, or counter top display
- Colorful display features lifestyle photos showing the benefits of structured wiring
- Integrated tri-fold literature holder and 1 pack of "Inside the Well-Connected Home" brochure included
- Oversized plexi covers the whole display for a clean and professional look
- 30" W x 20.5" H
- #**LIT-504**
- Poster version available as #**LIT-504P**



Installation Video

- Training video on structured wiring installation using Channel Vision products
- DVD format
- #**LIT-601**

Rollerball Pen

- Black barrel with gold trim, rubber grip, and logo
- Retracting mechanism
- Black ink
- #**LIT-401**

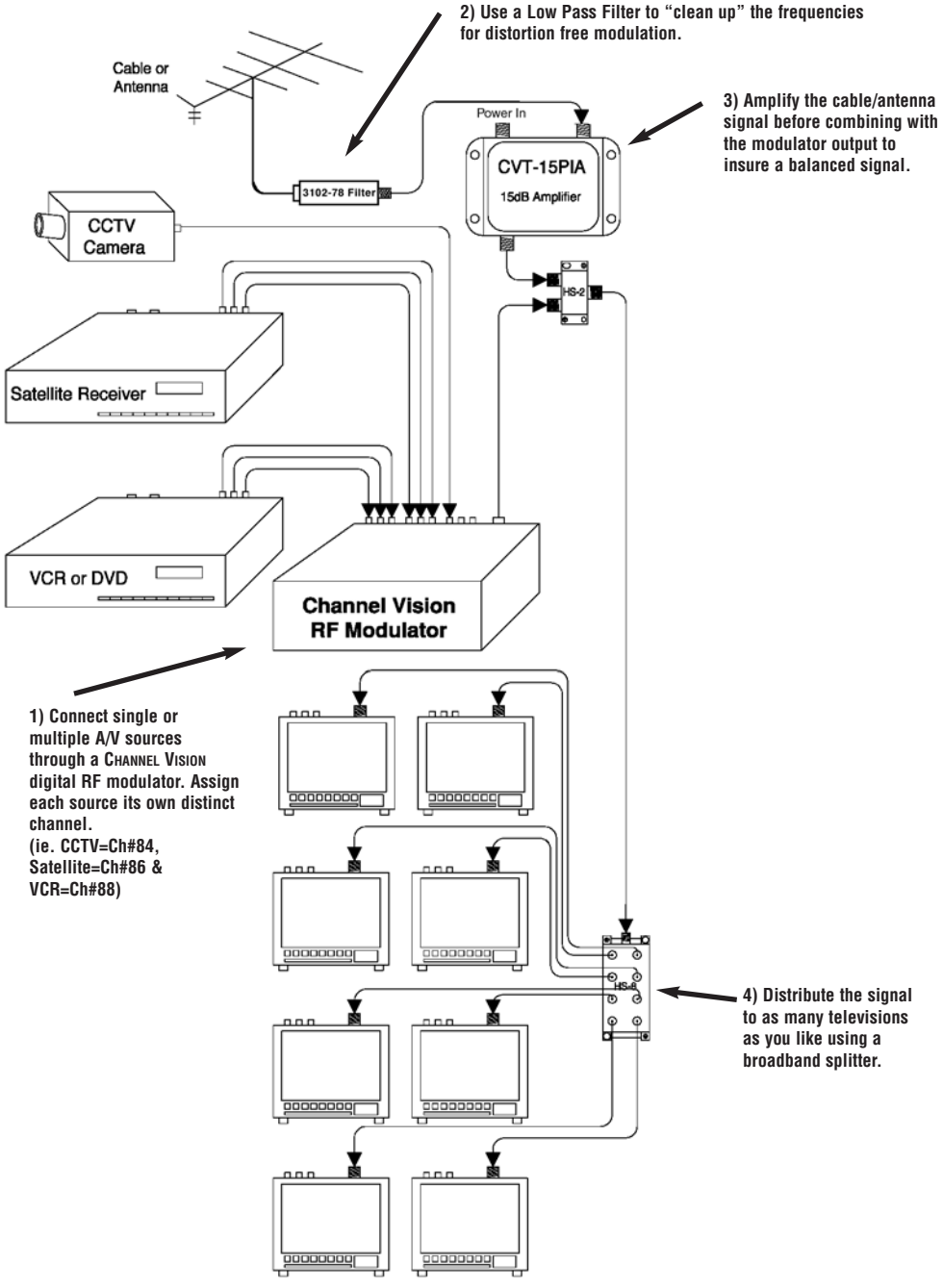
Autoquote CD

- Business card-sized CD
- Autoquote program for pricing customized systems (MSRP)
- Includes spec sheets on featured products, and a printable custom design worksheet
- *Available September 2004*
- #**LIT-204CD**

Logo Golf Shirt

- 100% cotton pique polo shirt featuring the Channel Vision™ Central logo
- Color: Black
- Available in 3 sizes:
  #**TShirt-L**
  #**TShirt-XL**
  #**TShirt-XXL**

Five Easy Steps To Multi-Room A/V Distribution



5) Every source is now available at every TV. Simply change the TV to the assigned channel. (CCTV=Ch#84, Sat=Ch#86, & VCR=Ch#88)

RF Installation Guidelines

System Installation Guidelines:

1. The ideal signal strength at each television is 10dB. Bigger televisions may require more. Note: The FCC only allows a maximum of 15.5dB of signal to go into any television.
2. When laying out your system, there will be approximately 5dB of signal loss per 100ft. of RG6.
3. Verify that ALL the splitters and amplifiers that will be used will pass a broadband signal broadband. Splitters should be rated 5-1000MHz, while amps should be rated 54-1000MHz (forward path) and 5-42MHz (return path).
4. Verify that all televisions are set up for the proper frequency spectrum (UHF or Cable).
5. Verify that the channels that will be modulated are truly empty.
6. On every installation, use a low pass filter to clean up the frequencies to which the modulator will be assigned and to prevent any potential interference.
7. Allow 1- 2 channel spacing between modulated channels & "active" channels.
8. Always compensate for insertion loss with splitters and taps. There will always be a drop in signal strength when combining a modulator to an existing system due to insertion loss with the combiner.
9. When combining an existing signal with a modulated signal, be sure to have equal signal strength at the point of the combiner so one signal does not degrade the other.
10. Whenever possible, use the lowest frequencies available for the modulated channels. Lower channels (frequencies) have lower signal loss on the cable runs.
11. When in doubt, run a stronger signal and attenuate at the TV location if necessary (max signal allowed by FCC is 15.5dB). Attenuators may be combined (i.e. two -3dB attns. will equal -6dB).
12. Make sure to use a well shielded coax of either RG6 or RG11 for RF distribution systems.
13. Use RG59U Coax for composite/baseband video signals only.
14. Combine the modulator into the video distribution system as far "up-stream" as possible.
15. If the system needs to be amplified, use the amplifier as far "up-stream" as possible.

Recommended Signal Strength at each TV = 8-15dB

Coax Type RG_____ @ _____dB loss per 100'	**x _____**	**= _____**	**dBmV**
3.5dB loss per 2 way splitter	**x _____**	**= _____**	**dBmV**
5.5dB loss per 3 way splitter	**x _____**	**= _____**	**dBmV**
7dB loss per 4 way splitter	**x _____**	**= _____**	**dBmV**
11dB loss per 8 way splitter	**x _____**	**= _____**	**dBmV**
8dB loss per Cable Combiner Kit	**x _____**	**= _____**	**dBmV**
Add all numbers in right hand column		**Total: _____**	**dBmV**
Subtract incoming local channel strength		**- _____**	**dBmV**
The difference is the amount of amplification the system needs		**_____**	**dBmV**

Basic Home Wiring

Proper whole-house wiring has become an absolute necessity as it provides the pathway by which homeowners will access information today and in the future. Designers and installers need to take a leadership role when discussing the multitude of options that are currently available because most homeowners fail to see the present or future value of the products. With accurate information an installer can educate the homeowner and suggest systems that provide added convenience, increased peace-of-mind and a future-ready infrastructure for their home that will allow easy upgrades that eliminate potential obsolescence.

As previously mentioned, whole-house systems can include many technologies including: home theater, multi-room audio/video, home automation, telephone/data communications, computer networking, surveillance and access control. In order to allow for easy implementation of each technology over time a home must be properly (or structurally) wired from the start. The home's structured wiring system is the foundation for future technologies and future profits for you. The overriding theme when designing a whole-house system should always be "Flexibility." As the client's needs change, the system will need to be upgraded with the least amount of trouble and obsolescence. Following are three wiring guidelines to follow when designing a whole-house system.

Please note: Every system should be a "home run" design. Meaning that all coax and wires should be individual runs from a central distribution point to the desired location.

Minimum:

- One coax cable (RG6 minimum) from the distribution point, or panel, to each room.
- One CAT5 wire from the distribution point to each phone and computer location.
- One extra coax cable to the family room and office.
- One extra CAT5 wire to the family room and office.

Standard:

- Two coax cables (RG6 minimum) to each TV outlet.
- Four coax cables (RG6 minimum) to a possible satellite dish mounting site.
- Two Category 5 telephone/data wires to each phone location.
- One extra Category 5 wire to the family room and office.

Optimum:

- Two coax cables (RG6 minimum) to each TV outlet.
- Five coax cables (RG6 minimum) to a possible satellite dish mounting site.
- Two Category 5 telephone/data wires to each phone location.
- One extra Category 5 wire to the family room and office.

Plus:

A non-metallic conduit line to each location. This will provide complete flexibility and a raceway for adding future wiring. Some wire "wraps" include a fiber optic wire. We recommend an open conduit instead so the homeowner will be totally prepared for future technologies.

Pre-Wire:

A "home run" residential wiring design is imperative for two reasons:

1. Because a home run system is much easier to trouble shoot when a problem occurs. With a home run design, each component and location can be isolated and checked individually. This avoids the infamous and very painful "bad splitter in the wall" scenario.

2. To provide for easier system upgrades. For instance: If a homeowner decides to add a satellite system, the installer has direct access to each location for the inclusion of diplexers and for adding a satellite multi-switch that provides multiple receiver locations from one 18 inch dish. Or, maybe the homeowner decides to convert a bedroom into an office. In a home run system the RF outlet can be quickly converted from a television port to a cable modem connection.

The potential beneficial scenarios are endless. The fact is that home run systems offer more convenience, greater flexible and a future-ready infrastructure for tomorrow's technology. And because of the open and flexible architecture a homeowner will actually save many hundreds or even thousands of dollars over the life of their home.

Support Systems Wiring

Most new home construction includes some form of structured wiring. However, most include only the most basic systems such as cable television and telephone distribution. Every homeowner should be informed on his or her options beyond this basic "starter" system. Following are some guidelines with regard to the minimum requirements to accomplish a true whole-house design beyond what has been covered on the preceding pages. Please contact each product manufacturer for exact recommendations.

Off-Air Antenna

(1) RG6 coax cable from the antenna location to the distribution panel.

Satellite

(4) RG6 quad shield coax cables from potential dish location (usually the southeast side of a structure) to the distribution panel or directly to the home theater area depending on whether or not a satellite multi-switch will be used for multiple receivers.

Telephone Entry

(1) Category 5 wire from the main telephone distribution point to the front door intercom zone. (1) 18/2 wire from the door strike relay to the door strike location if the telephone entry system provides for automatic door unlocking.

Telephone Entry with Video

(1) Category 5 wire from the main telephone distribution point to the intercom zone, (1) RG59 coax cable and (1) 18/2 from the main distribution point to the intercom zone and (1) 18/2 from the door strike relay to the door strike location if the telephone entry system provides for automatic door unlocking.

Front Door Surveillance

(1) RG59 coax and (1) 18/2 from the main distribution point to a point on the roofline or eaves.

Home Theater Surround

(6) high-quality 16/2 wire from the media niche to various points in the family/media room with "banana" connections at both ends.

Multi-Room Audio

(1) Category 5 wire from the media niche to a wall switch junction box in every room. (2) 16/2 wires from each junction box to the room's speaker locations.

Home Automation Touch Screens

(1) Category 5 from the media niche to three areas: inside the front door, inside the garage access door and master bedroom.

Security

(1) 22 awg solid 2-conductor from every externally exposed door and window as well as 4 conductor to every motion detector location run back to the main distribution point.

Fire

(1) looped 18 awg solid 4-conductor with plenum jacket to all smoke detector locations (as per local code) back to the main distribution point.

Custom Panel Worksheet

CHANNEL VISION

This is an exclusive complimentary service from Channel Vision.
You may also refer to our auto-quote system online by visiting: http://www.channelvision.com/autoquote/

Fax completed forms to 714-424-6510

Project Name: _____ Date: _____

Distributor :_____ Contact: _____

Phone #: _____ Fax #: _____ E-mail: _____

Installer :_____ Contact: _____

Phone #: _____ Fax #: _____ E-mail: _____

RF Outputs

Total TV locations _____
Outputs @ 1-100' _____
Outputs @ 100-200' _____
Outputs @ 200-300' _____
Outputs over 300' _____
Other _____

System Inputs

Antenna _____ HDTV _____
Cable _____ Digital Cable _____ Number boxes _____
Cable Modem ___ yes ___ no
Total modulated sources: _____ (Cameras, VCR, DVD, Sat)
# of Modulators: in panel _____ outside the panel _____
# of Coax from panel to each TV: _____
# of Coax from dish location to panel: _____

Satellite

LNB: _____ Single _____ Dual _____ Quad HDTV_____
# of Receivers: _____ Distance of farthest receiver from dish: _____
Use multiswitch to combine local stations? ___ yes ___ no Multiswitch type: ___ active ___ passive
Receivers in a rack: ___ yes ___ no

Application: ____ residential ____commercial/MDU
IF MDU: # of Floors _____ # of Panel locations _____ Distance from dish to panel _____
Distance of Panel to Receivers: 1-100'_____ 100-200' _____ 200-300'_____ Other_____

Telephones

# of Lines in: _____ # of Drops: _____ System type: ____ home run ____ daisy chain
Type of punch block: _____ KSU system: _____
Do you want surge protection? ___ yes ___ no

Telephone Entry System

Doorstation: ___ yes ___ no Strike release: ___ yes ___ no
Camera at door: ___ yes ___ no Modulate camera: ___ yes ___ no Page out: ___ yes ___ no

Data

# of Possible computer locations: _____ # of Computers online simultaneously _____
Internet connection type: ___ dial-up ___ cable ___ DSL
Would you like a blank plate to mount the modem inside the panel? ____ yes ____ no

Audio

# of Sources: _____ # of Zones: _____ Distance of farthest zone: _____
Local volume control: ___ yes ___ no Size of power amplifier: _____

Internal Use Only

Info taken by:_____ Layout by:_____Built:_____Tested:_____Shipped:_____

**Do not submit raw data (i.e., floor plans) - a customized system design will not be generated.

Channel Frequency Tables

Broadcast (Antenna):

	Channel	Frequency		Channel	Frequency
VHF	2	55.25	UHF	43	645.25
	3	61.25		44	65125
	4	67.25		45	657.25
	5	77.25		46	663.25
	6	83.25		47	669.25
	7	175.25		48	675.25
	8	181.25		49	681.25
	9	187.26		50	687.25
	10	193.25		51	693.25
	11	199.25		52	699.25
	12	205.25		53	705.25
	13	211.25		54	711.25
UHF	14	471.25		55	717.25
	15	477.25		56	723.25
	16	483.25		57	729.25
	17	489.25		58	735.25
	18	495.25		59	741.25
	19	501.25		60	747.25
	20	507.25		61	753.25
	21	513.25		62	759.25
	22	519.25		63	765.25
	23	525.25		64	771.25
	24	531.25		65	777.25
	25	537.25		66	783.25
	26	543.25		67	789.25
	27	549.25		68	795.25
	28	555.25		69	801.25
	29	561.25		70	807.25
	30	567.25		71	813.25
	31	573.25		72	819.25
	32	579.25		73	825.25
	33	585.25		74	831.25
	34	591.25		75	837.25
	35	597.25		76	843.25
	36	603.25		77	849.25
	37	609.25		78	855.25
	38	615.25		79	861.25
	39	621.25		80	867.25
	40	627.25		81	873.25
	41	`633.25		82	879.25
	42	639.25		83	885.25

Specifications subject to change without notice.

Standard Cable Frequency Range

Digital Cable Frequency Range

Note: Hundreds of digital cable channels are broadcast within this range. The channel numbers shown are standard cable channel numbers.

CATV-STD:

	Channel	Frequency		Channel	Frequency
VHF	2	55.25	Ultra Band	62	451.25
	3	61.25		63	457.25
	4	67.25		64	463.25
	5	77.25		65	469.25
	6	83.25		66	475.25
FM	95	91.25		67	481.25
	96	97.25		68	487.25
	97	103.25		69	493.25
	98	109.25		70	499.25
	99	115.25		71	505.25
Super Band	7	175.25		72	511.25
	8	181.25		73	517.25
	9	187.25		74	523.25
	10	193,25		75	529.25
	11	199.25		76	535.25
	12	205.25		77	541.25
	13	211.25		78	547.25
	14	121.25		79	553.25
	15	127.25		80	559.25
	16	133.25		81	565.25
	17	139.25		82	571.25
	18	145.25		83	577.25
	19	151.25		84	583.25
	20	157.25		85	589.25
	21	163.25		86	595.25
	22	169.25		87	601.25
	23	217.25		88	607.25
	24	223.25		89	613.25
	25	229.25		90	619.25
	26	235.25		91	625.25
	27	241.25		92	631.25
	28	247.25		93	637.25
	29	253.25		94	643.25
	30	259.25		100	649.25
	31	265.25		101	655.25
	32	271.25		102	661.25
	33	277.25		103	667.25
	34	283.25		104	673.25
	35	289.25		105	679.25
	36	295.25		106	685.25
	37	301.25		107	691.25
	38	307.25		108	697.25
	39	313.25		109	703.25
	40	319.25		110	709.25
	41	325.25		111	715.25
	42	331.25		112	721.25
	43	337.25		113	727.25
	44	343.25		114	733.25
	45	349.25		115	739.25
	46	355.25		116	745.25
	47	361.25		117	751.25
	48	367.25		118	757.25
	49	373.25		119	763.25
	50	379.25		120	769.25
	51	385.25		121	775.25
	52	391.25		122	781.25
	53	397.25		123	787.25
	54	403.25		124	793.25
	55	409.25		125	799.25
	56	415.25		126	805.25
	57	421.25		127	811.25
	58	427.25		128	817.25
	59	433.25		129	823.25
	60	439.25		130	829.25
	61	445.25		131	835.25

Product Weight Chart

All weights in pounds (lbs) unless otherwise specified. Weight includes individual product packaging.

1000 RF Kit/A.....5.05
1004-Blade.....0.01
1005.....5.40
1011.....1.10
1012.....1.42
1014.....0.65
1015.....0.95
1016.....0.75
1017.....0.95
1115.....3.50
1116.....2.95
2001.....0.10
2002.....0.10
2003.....0.10
2006.....0.08
2009.....0.10
2101 (100pk).....1.00
2102 (100pk).....1.00
2103 (100pk).....1.00
2103W (100pk).....1.00
2104 (100pk).....1.00
2104C (100pk).....1.00
2104QS (100pk)...1.00
2104QSC(100pk)..1.00
2104W (100pk).....1.00
2105 (100pk).....1.80
2106 (100pk).....1.80
2107 (100pk).....2.40
2108 (100pk).....1.60
2109 (100pk).....2.20
2110 (100pk).....2.00
2113 (100pk).....2.20
2114 (100pk).....2.40
2115 (10pk).....0.20
2116 (100pk).....2.40
2117 (100pk).....1.80
2118 (100pk).....1.65
2119 (100pk).....2.35
2120 (10pk).....0.35
2121 (100pk).....1.80
2122 (100pk).....1.80
2123 (10pk).....0.33
2126 (100pk).....2.55
2127 (100pk).....2.50
2129 (100pk).....1.80
2131Q11.....0.25
2131Q17.....0.40
2133 (100pk).....1.90
2134 (100pk).....1.90
2201.....0.08
2202.....0.08
2203 (100pk).....1.75
3000-3 (100pk).....2.40
3000-6 (100pk).....2.40
3000-10 (100pk)...2.40
3000-20 (100pk)...2.40
3101.....0.50
3102-60.....0.20
3102-78.....0.20
3102-105.....0.20
3102-118.....0.20
3102-Custom.....0.20
3104 HQ.....0.05
3107 (100pk).....1.95
3108.....0.10
3109 (100pk).....2.60
3110-tilt.....0.15
3203.....varies
3204.....varies
3205/61-68.....0.25
3205/71-78.....0.25
5005-B/W.....0.90
5018PS.....0.55
5021.....1.15
5102-FMC-II.....1.75
5104-mic.....0.04
5107.....0.50
5125.....1.50
5200.....1.35
5305.....1.25
5401.....0.90
6002-FMC-II.....1.75
6005-B/W.....0.90
6006.....0.85
6010.....2.25
6103.....2.30
6125-B/S.....1.60
6200.....1.35
6305.....1.25
6401.....0.90
AB-114.....0.45
AB-202.....0.88
AB-301.....0.00
AB-404.....0.60
AB-901/2.....47.10
AB-T2454.....0.48
C-0001.....6.30
C-0002.....6.40
C-0010.....11.50
C-0011.....11.50
C-0020.....22.15
C-0021.....19.30
C-0030.....34.50
C-0050.....40.15
C-0111.....5.30
C-0112C&E.....9.96
C-0119C&E.....17.50
C-0138C&E.....27.22
C-0150C&E.....33.78
C-0202.....0.50
C-0204.....0.95
C-0208.....0.90
C-0213.....0.56
C-0214.....1.04
C-0215.....1.18
C-0216.....1.09
C-0218.....1.15
C-0219.....1.45
C-0301.....1.95
C-0302.....5.10
C-0303.....5.35
C-0304.....5.95
C-0310.....1.74
C-0314.....1.85
C-0315.....2.55
C-0329.....3.05
C-0332.....3.40
C-0408.....0.05
C-0409.....0.10
C-0410.....0.95
C-0432.....0.90
C-0434.....1.60
C-0436.....0.80
C-0438.....0.85
C-0439.....1.10
C-0498.....0.75
C-0499.....0.80
C-0508.....0.70
C-0514.....3.40
C-0515.....3.50
C-0518.....4.35
C-0601.....0.60
C-0702.....1.75
C-0920.....2.05
C-1001.....0.90
C-1102.....0.50
C-1114.....1.70
C-1115.....3.55
C-1116.....2.95
C-1117.....2.95
C-1134.....2.65
C-1158.....4.25
C-1201.....0.60
C-1305.....2.05
C-1306.....3.25
C-1307.....6.25
C-1308.....8.10
CVT-1/2PIA.....1.00
CVT-15PIA.....1.60
CVT1mini-III.....2.00
CVT1stereo-II.....3.25
CVT1ub/uhf-II.....3.00
CVT-2/4PIA II.....2.40
CVT-2/8PIA II.....2.40
CVT2ub/uhf-II.....3.20
CVT-38BID.....3.20
CVT3ub/uhf.....3.40
CVT-PI.....0.10
DP-0xxx.....2.45
DP-0xxxP.....3.70
DP-3/8-II.....19.40
DP-3/12-II.....19.40
DP-5xxx.....3.75
DP-5xxxP.....4.50
DP-6xxx.....3.75
DP-6xxxP.....4.50
DP Custom.....varies
DP-Rbox-II.....0.70
DP-SMB.....1.00
DP-SMW.....1.00
E1200.....1.40
E2200.....2.65
E3200.....3.05
E4200.....3.60
G-1GW (5pk).....0.35
G-2DGW (5pk).....0.15
G-2GW (5pk).....0.35
G-3GW (5pk).....0.35
G-4GW (5pk).....0.35
G-BJB-W (100pk)...3.65
G-BJR-W (100pk)..3.65
G-C3AW (100pk)...1.30
G-C5AW (100pk)...1.30
G-I-B-White(100pk)0.25
G-IBNC-W (5pk)....0.15
G-IFC-W (10pk).....0.50
G-IF/RCAW(10pk)..0.25
G-IRCA-W (10pk)...0.35
HS-2.....0.10
HS-3.....0.15
HS-4.....0.15
HS-6.....0.40
HS-8.....0.65
HS-16.....0.92
HV-1B.....9.00
HV-1W 9.00
HV-2B.....9.50
HV-2CB.....9.50
HV-2CW.....9.50
HV-2W.....9.50
IC602 (per pair).....8.22
IR-1001.....0.35
IR-2001.....0.30
IR-2200.....0.16
IR-3002.....0.10
ID652.....3.65
ID850.....2.15
IU-0xxx.....0.95
IU-5xxx.....2.40
IW601(per pair).....9.72
J-101-88 (100pk)...0.05
J-101-8S-C5(10pk)0.05
J-110-Tool.....0.05
J-1GA (5pk).....0.35
J-1GI (5pk).....0.35
J-2DGA (5pk).....0.15
J-2DGI (5pk).....0.15
J-2GA (5pk).....0.35
J-2GI (5pk).....0.35
J-3DGA (5pk).....0.15
J-3DGI (5pk).....0.15
J-3DGW (5pk).....0.15
J-3GA (5pk).....0.35
J-3GI (5pk).....0.35
J-4GA (5pk).....0.35
J-4GI (5pk).....0.35
J-66-C3 (100pk)....0.20
J-6GA (5pk).....0.35
J-6GI (5pk).....0.35
J-BPB (20pk).....0.85
J-BPR (20pk).....0.85
J-C3AA (100pk).....1.30
J-C3AI (100pk).....1.30
J-C5AA (100pk).....1.30
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J-I-B-Almond(100)..0.25
J-I-B-Ivory(100pk)..0.25
J-IBNC-A (5pk).....0.15
J-IBNC-I (5pk).....0.15
J-IFC-A (10pk).....0.50
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J-IF/RCAI (10pk)....0.25
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MAV-3.....4.60
OS525.....12.45
OS610.....25.85
R-1004.....0.10
R-2104.....0.10
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R-HS2.....0.15
R-HS3.....0.20
R-HS4.....0.20
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RM19.....4.00
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Sat-22T.....0.15
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Sat-D2Mini.....0.10
Sat-HD58.....2.00
Sat-MS34A.....1.55
SBK3203NF.....2.60
SBK5502NF.....4.20
SMK2241F.....1.00
SMK5562F.....1.10
SMK5582F.....1.15
SMS3403NF.....1.05
SMS3603NF.....1.40
SMS3803NF.....2.00
SMS51202NF.....2.50
SMS51602NF.....2.65
SMS5602NF.....2.30
SMS5802NF.....2.45
T-5.6.....2.25
TAPS.....0.15
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TE110BK.....10.00
TE110DS.....0.35
TE110WT.....10.00
VBS78-PW.....0.25
VBS78-SP.....1.40
VB-1Kit.....1.65
VC300W/A/I.....1.32
VDA-12.....7.70
VS-4.....4.10
W1000.....3.95
W2000.....4.00
W4000.....4.05
Xan-CPL94B.....0.25
Xan-INJ94.....0.30

Terms & Conditions

DP / IU Series Part numbering system:

xxx = color/finish of plate
5 = with B/W camera
6 = with color camera

DP-0xxx and IU-0xxx
- Door Plate with screen, speaker/mic, doorbell button, TE110/C-0920 compatible

DP-0xxxP and IU-0xxxP
- Door Plate with screen, speaker/mic, doorbell button, Panasonic® compatible

DP-5xxx and IU-5xxx
- Door Plate with screen, speaker/mic, doorbell button, B/W camera, TE110/C-0920 compatible

DP-5xxxP and IU-5xxxP
- Door Plate with screen, speaker/mic, doorbell button, B/W camera, Panasonic® compatible

DP-6xxx and IU-6xxx
- Door Plate with screen, speaker/mic, doorbell button, color camera, TE110/C-0920 compatible

DP-6xxxP and IU-6xxxP
- Door Plate with screen, speaker/mic, doorbell button, color camera, Panasonic® compatible

Part numbering system:

CHANNEL VISION Central's structured wiring part numbering system.

C -	Central
00 -	Pre-configured kits
01 -	Empty Panels
02 -	Passive RF products (splitters)
03 -	Amplified RF products
04 -	Telephone products
05 -	Data/Computer
06 -	Fiber optics
07 -	Power
08 -	Security
09 -	Home automation
10 -	Speaker/audio
11 -	Satellite
12 -	IR products
13 -	Accessories

Connectors are sold in bags of 100 pieces only to receive discount - All modulators exclude cable channels 95 - 99.

All products in this catalog are FCC Part 15, 115B approved for residential use.

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Orders:
Orders placed before 10:00 am Pacific Time will be shipped by the following business day. After 10:00 a.m. Pacific Time, orders will be shipped by the second business day.

Minimum Order:
Orders less than $300.00 will have a $3.00 handling surcharge added to the invoice.

Drop Shipments Are Not Available:
On occasion we grant this service and a $5.00 fee will be charged for any drop shipments (plus the $3.00 handling charge if the order is less than $300.00).

Payment Terms:
Our standard payment terms are net 30 days upon credit approval.

Freight Terms:
All orders are shipped FOB Costa Mesa, CA. Distributors qualify for pre-paid freight on orders $3,000.00 or more and must be shipped via common carrier only.
Special orders excluded.

All orders are shipped UPS or FedEx Ground unless otherwise specified.

CHANNEL VISION will not be responsible for damage incurred in transit. Upon delivery to the carrier, all risk of loss or damage shall immediately pass to the purchaser. All damaged merchandise should be examined upon delivery by the carrier. Proper notations should be made on the carrier's bill of lading by the purchaser as a basis for claim. All claims against the carrier are the responsibility of the purchaser.

Purchaser shall verify upon receipt from carrier that all items listed on carrier's bill of lading are received. Unless CHANNEL VISION is notified of any missing items within three business days upon delivery, the order will be deemed to have arrived intact.

Stock Adjustments:
There is a 2:1 or 20% restocking fee for products in new, re-sellable condition. Product(s) must be at least 6-months but not more than 1-year old to qualify. Discontinued items will not be accepted.

Returns:
CHANNEL VISION has a "No Questions Asked" policy on RAs and RCs. However, there is a 20% restocking fee for products returned with "no fault found".

Warranty:
CHANNEL VISION products include a two-year manufacturer's warranty (excluding Spaun products).

Spaun products include a one-year warranty

Customer Support:
CHANNEL VISION is proud to offer one of the finest customer service programs in the industry, which includes:
- Free System Design and Layout – Our technical staff will design systems for you (free of charge) and return a CAD drawing together with a recommended parts list via fax. Some conditions apply.
- Custom Made Distribution Panels – Simply call with your system criteria and we will design, build, and ship a "system specific" distribution panel to match your exact requirements.
- Emergency Installation Assistance and Technical Support - 24 hours a day, 7 days a week at 800-840-0288.

Conditions:
All prices, models, and specifications are subject to change without notification.

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