AutoSwitch™ Camcorder Display
Installation and Operation

The Model 29-CCD4 display includes the Model 991 AutoSwitch™ Stalk, Model 004-012 Cable Retractor, KIT35 Alarm, and the Model 2960 Camcorder Switching system. The *AutoSwitch* Stalk supports a camcorder on a retail display fixture. The camcorder's picture is automatically displayed on the system's television monitor when lifted from the stalk. The Model 2960 can be set up to display each camera's output during idle periods, as well as other attract mode options. The TheftAlert™ circuit automatically triggers an alarm if a camcorder is disconnected from the system, alterting the staff of the theft.

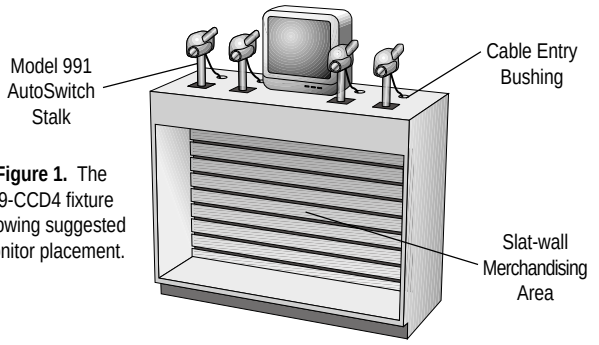


Figure 1. The 29-CCD4 fixture showing suggested monitor placement.

Installing Camcorders

Plug the cables from the first camcorder into the position #1 A/V jacks on the 2960 module. Plug the power pack into an outlet on one of the AC power strips inside the cabinet. Feed the A/V output cord and power cord through the cable retractor braided tube using the steel fish wire included. Push the small end of the fish through the braid, hook a loop of the cords to the end of it, and pull it back through. It is helpful to push on the free end of the braid to expand its diameter while pulling the cords through with the fish.

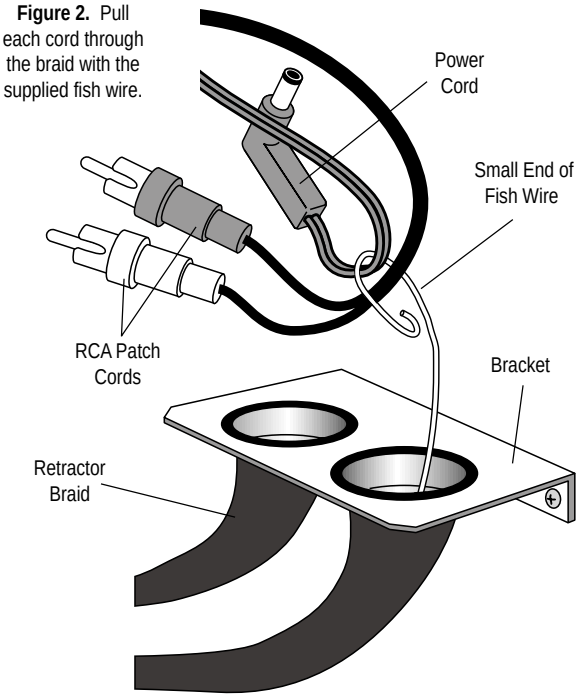


Figure 2. Pull each cord through the braid with the supplied fish wire.

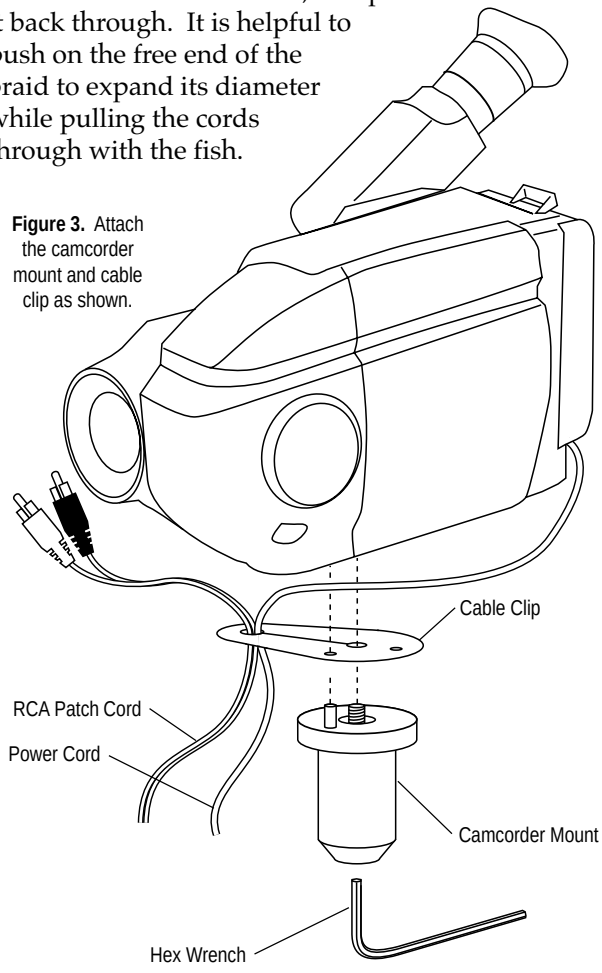


Figure 3. Attach the camcorder mount and cable clip as shown.

If the cable entry bushing interferes, pop out the center to allow the plugs to pass. Repeat this procedure for the other camcorders in the display. When you have finished pulling the wires, be sure to save the fish wire for future use.

Push the camcorder power cord and patch cord through the larger hole in the camcorder mount cable clip as shown. Secure the camcorder mount to the base of the camcorder using the hex wrench provided, placing the cable clip between the camcorder and mount. Plug the camcorder patch cord into the output jacks of the camcorder. Pull any cable slack back inside the display fixture. Check that the camcorder plugs are secure and will not pull out with ordinary use. Orient the cable clip to eliminate strain on the plugs. Make sure the retraction system works smoothly. Eliminate any cable kinks or twisted braid that cause binding or dragging.

If a safety tether is desired, use a 725-056 camcorder lanyard between the camcorder and the fixture.

Switching System Connections

The Model 2960 attracts customers to the display area, displays the output of the camcorder of interest on a television monitor, and warns of unauthorized removal. It attracts through a choice of display sequences including external video input, scanning the camcorder SKUs, and combinations of the two. It senses when a unit has been removed from the display and can trip an alarm. Multiple 2960s may be networked to display up to 60 camcorders on one or more monitors. To avoid feedback, the 2960 does not switch the audio from the camcorder; however, the audio cable must be connected for the system to recognize the camcorder.

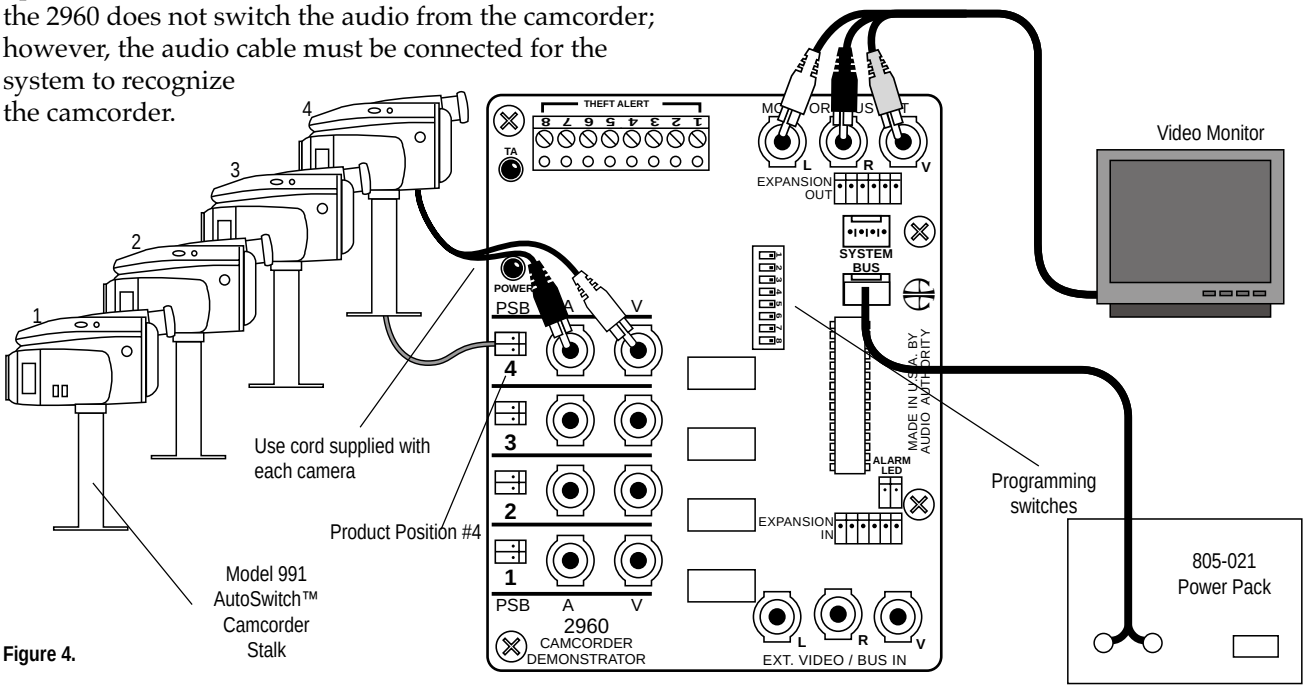
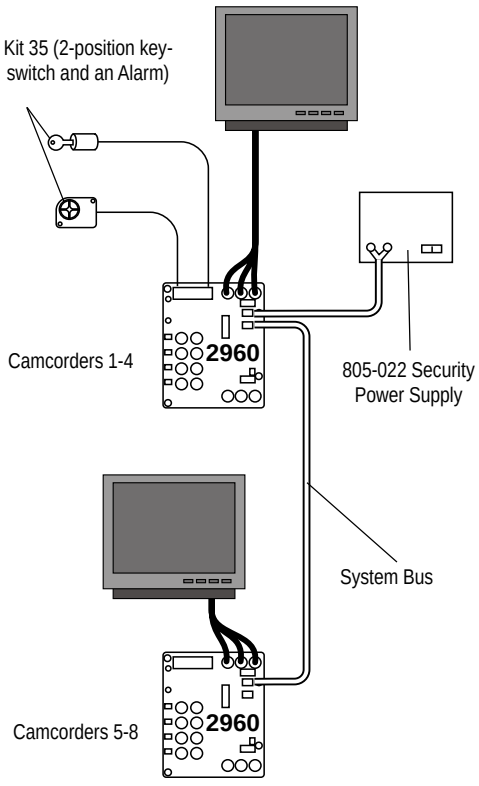


Figure 4.

Figure 5.



Single Module Application

A simple demonstrator for 4 camcorders is illustrated in Figure 4. In this application, the most recent camcorder that has been picked up from its stand is displayed on the television monitor. When the camcorder is returned to its stand, the Model 991 lamp will light to indicate which camcorder is presently being displayed on the monitor. The 29-CCD4 display is supplied with one 2960 module. Normally, 4 camcorders and one monitor will reside on one 29-CCD4 fixture.

Multiple Monitor Systems

Up to fifteen 2960 modules can be powered from a single 1-amp 805-021 power pack. Figure 5 shows how to wire several systems of single-module switchers, each with its own TV monitor. Connect each 4-camcorder, 1-monitor display to the next one using 802-307 System Bus cable.

TheftAlert™ Camcorder Security

Connect KIT35 to any module of a 2960 system for audible alarm output and reset. One system may include up to 15 modules. If you wish to demonstrate more than 60 camcorders in one display, call Audio Authority Technical Service at 800-322-8346.

All modules of a 2960 system trigger an alarm when a camcorder is removed from any module in the display and the reset key-switch is in the ON (counterclockwise) position. The camcorder that triggered the alarm will be the active camcorder in the system. The 991 LED will flash slowly if the camcorder is on the stand. Turn the key-switch clockwise to mute the siren and disable alarm system. Turn the key-switch clockwise momentarily to reset an alarm condition or to temporarily disable the alarm system for product rotation, etc. When the reset key-switch is turned counterclockwise again (remember to remove the key), the system will reset the alarm condition and be ready for normal operation.

The 805-022 Security Power Supply is recommended as an upgrade for use with KIT35, to assure that the alarm system will be operational even during AC power outages. To connect the alarm output of a 2960 system to a house security system, use the dry relay contacts provided (rating: 1 Amp @ 24 Volts). Connect the house security system to any module in a 2960 system.

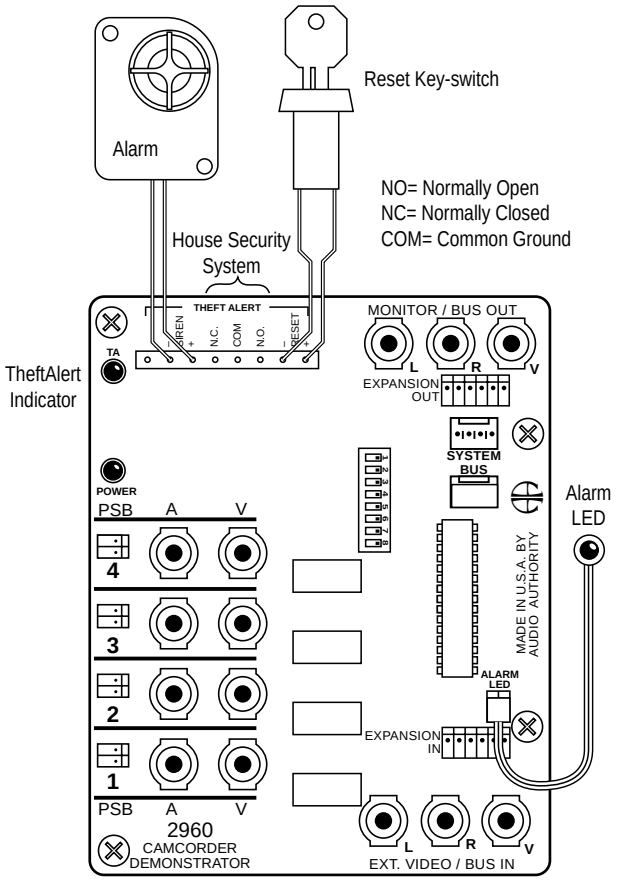


Figure 6. The first 2960 Module (camcorders 1-4) with KIT35. The alarm LED will FLASH when TheftAlert is activated, SOLID when a theft has occurred, OFF when TheftAlert is off or reset.

Programming

The Attract Mode's scanning and external video features are selected by setting the programming switches. These features attract customer interest in the camcorder display by launching a sequence of automatically switching (scanning) the camcorders, playing promotional video from a "house source," or by a combination of the two, when the camcorders are not being actively examined by customers.

Every module with a television monitor connected to it must be programmed for the desired Attract Mode. In multi-module systems, leave all programming switches OFF in modules that are not directly connected to a television monitor.

The Attract Mode begins after a period of time, called Timeout, when no new camcorder selections have been made. Set the Timeout period from 1/2 to 3 minutes using Programming Switches 1 and 2 as shown in the table on the next page. The timeout period begins when the last selected camcorder is returned to its 991 stand.

The following elements are used individually or combined to make an Attract Mode program:

- **Scan.** The monitor sequentially displays the outputs of the camcorders that are present, switching to a new one every 3 seconds. External video may be added to the rotation.

- **External Video Short.** 6 seconds of an external video source, such as a text generator, is included in the camcorder scan.

- **External Video Long.** One Timeout period of external video, such as a promotional clip, is displayed alone or with a camcorder scan.

- **Repeat.** The Attract Mode program repeats endlessly until a camcorder is picked up.

Choose the most suitable Attract Mode program from the following choices, then set the switches as indicated in the Programming Table. In all cases, Attract Mode starts one timeout period after the last camcorder is returned to its stand or the last PSB is pressed, and ends when the next camcorder is picked up or selected.

A. Attract Mode OFF. The monitor displays the last camcorder until a new one is picked up.

B. Scan Only. The camcorders are scanned. Vacant camcorder positions are not included.

C. Repeated Scan + Review. The camcorder scan alternates with the last selected camcorder every new timeout period.

D. Single Scan + Review. The camcorders are scanned for one timeout period, then the last camcorder is displayed continuously.

E. X-video. The external video source is displayed continuously.

F. Single Scan + X-video. The camcorders are scanned for one timeout period, then external video is displayed continuously.

G. Repeated Scan + X-video. The camcorder scan alternates with external video every new timeout period.

H. Scan X-video. The camcorders are scanned continuously with X-video in the rotation.

I. Single Scan X-video + Review. The camcorders and external video are scanned for one timeout period, then the last camcorder is displayed continuously.

J. Single Scan X-video + X-video. The camcorders are scanned with external video in the rotation for one timeout period, then external video is displayed continuously.

K. Repeated Scan X-video + X-video. Camcorders scanning with external video alternates with external video alone every new timeout period.

Attract Mode Settings

Switch Number Name	3 ExtVS	4 ExtVL	5 Scan	6 Repeat
Attract Mode:				
A. None	OFF	OFF	OFF	OFF
B. Scan Only	OFF	OFF	ON	ON
C. Repeated Scan + Review	OFF	OFF	OFF	ON
D. Single Scan + Review	OFF	OFF	ON	OFF
E. X-video	OFF	ON	OFF	OFF
F. Single Scan + X-video	OFF	ON	ON	OFF
G. Repeated Scan + X-video	OFF	ON	ON	ON
H. Scan X-video	ON	OFF	ON	ON
I. Single Scan X-video + Review	ON	OFF	ON	OFF
J. Single Scan X-video + X-video	ON	ON	ON	OFF
K. Repeated Scan X-video + X-video	ON	ON	ON	ON

Timeout Settings

Switch Number Name	1 1 MIN	2 2 MIN
Function:		
1/2 Minute Timeout	OFF	OFF
1 Minute Timeout	ON	OFF
2 Minute Timeout	OFF	ON
3 Minute Timeout	ON	ON

Switch 7 & 8 are not used.

Audio Authority®
2048 Mercer Road, Lexington, Kentucky 40511-1071
Phone: 859-233-4599 • Fax: 859-233-4510
Customer Toll-Free USA & Canada: 800-322-8346
Website: http://www.audioauthority.com

752-291
2/99