

AD Universal Loop Panel

front of double-sided sheet
see rear for hook-up instructions

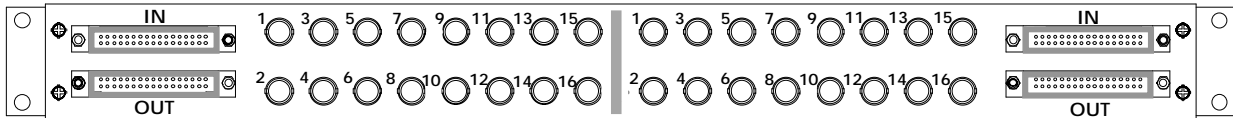
Installation Instructions

Description

The AD Universal Loop Panel (ADULP) is used with the AD168 and AD2050 matrix switcher/controller systems to enable looping from video inputs into and through the switching bay(s) and out to dedicated video output devices.

Mounting

The ADULP is designed for mounting on a standard 19 inch EIA rack, with mounting ears factory-attached to each side of the ADULP front panel. The ears can be removed and re-attached flush with the ADULP rear panel for applications requiring rear-rack mounting.



AD Universal Loop Panel

BNC Connectors (for video cables)

Each ADULP contains two BNC connector sets located on the front panel of the device. Both sets consist of 16 BNC connectors arranged in two 8 connector rows. The BNC connectors are connected to video cables routed to video inputs and video outputs. A connector set must be used for *either all video inputs or all video outputs. Inputs and outputs cannot be mixed within a connector set.* Depending on system requirements and cabling convenience, a panel can have one input set and one output set, or two input sets, or two output sets.

The upper row of each set is labeled (left to right) with the odd numbers **1** through **15**. The lower row of each set is labeled (left to right) with the even numbers **2** through **16**. When used with the AD168 system, connectors **13** through **16** are covered with black plastic caps, and cannot be used for video inputs or video outputs. With the AD2050 system, all 16 connectors are available for use.

34 Pin Connectors (for coaxial ribbon cables)

Directly adjacent to each connector set are a pair of 34 pin mating connectors. The upper connector of each pair is labeled **IN**. The lower connector of each pair is labeled **OUT**. The mating connectors connect with 30 inch or 96 inch coaxial ribbon cable. The ribbon cable links the loop panel to a video input module on an AD168 or AD2050 switching bay. **Note:** The **OUT** connector is used with the adjacent BNC connector set which is used for *video input cables*. The **IN** connector is used with the adjacent BNC connector set which is used for *video output cables*.

Specifications:

ADULP:Loop Panel w/ 8 plastic caps
ADULP-30:Loop Panel w/ 8 plastic caps, two 30 inch coaxial ribbon cables
ADULP-96:Loop Panel w/ 8 plastic caps, two 96 inch coaxial ribbon cables

Mounting:17 inch rack mount - 1 Unit High

Dimensions:

Width: 19.0 inches
Height:1.60 inches

Shipping Weight:1.40 lbs. max

Operating Temperature: ... 0° to +50°C (32°F to 122°F)
Humidity:5 to 95% non-condensing
Storage Temperature:-40°C to 70°C (-40°F to 155°F)

Hook-up

For AD168 Single or Dual Bay Systems or AD2050 Level 1 Systems

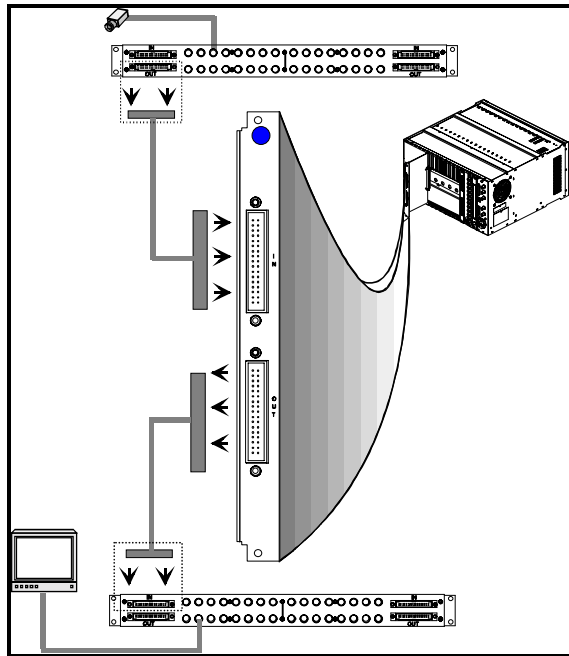
Inputs from video sources are routed via video cables to a BNC connector set on the ADULP. Video inputs are routed to the switching bay from the ADULP **OUT** connector via a 30 or 96 inch coaxial ribbon cable to the **IN** connector on a VIM-4 video input module. The signal is then looped out from the OUT connector of the VIM-4 to the **IN** connector of the same or another ADULP panel. The ADULP's output signals are then routed from the adjacent BNC connectors via video cables to dedicated external devices such as monitors and/or VCRs terminated with 75 Ohms. Any unused output connectors on the ADULP must be terminated with 75 Ohm terminating plugs.

For AD2050 Level 2 Systems

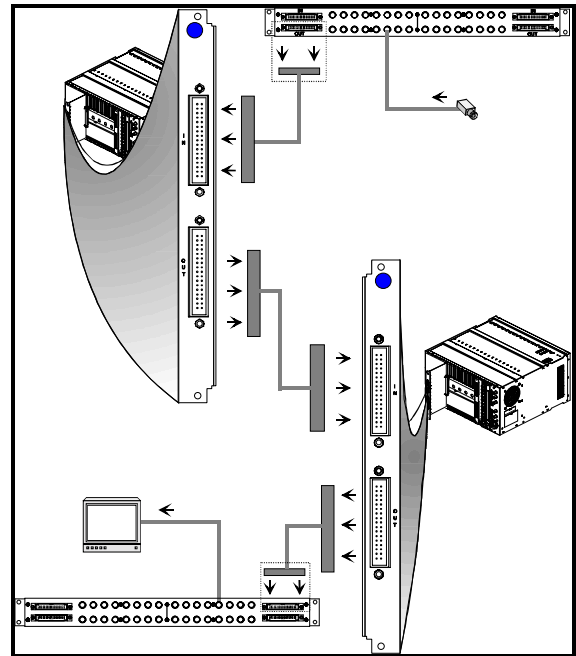
Looping outputs from AD2050 Level 2 systems are routed from the **OUT** connectors on VIM-3 modules via a 30 or 96 inch coaxial ribbon cable to the **IN** connectors on ADULP Loop Panels. Video cables from the adjacent BNC connector set are then routed to dedicated video output devices such as monitors and VCRs. For further information, consult the 2050 Installation and Operation Manual, OP2050.

For AD2050 Multi-Level Systems

Looping outputs from AD2050 Multi-Level systems are routed from the OUT connectors on VIM-2 modules in one AD2010R bay via a 30 or 96 inch coaxial ribbon cable to the IN connectors on VIM-3 modules on a second AD2010R, and then out from the OUT connectors on the VIM-3 to the IN connector on a VIM-4 module on another AD2010R, and then out the OUT connector on the bay to the IN connector of an ADULP Loop panel. Video cables then route the signals to dedicated video output devices such as VCRs and monitors. For further information, consult the 2050 Installation and Operation Manual, OP2050.



AD Loop Panel to Single Bay / Level 1 Hookup



AD Loop Panel in Dual Bay Configuration