



**AVM - SXXX Audio, Vidéo & Audio-Video Source Selectors**  
**Instruction Manual**

**1- Introduction**

The AVM-SXXX source selectors are designed to channel 1 out of 4 or 1 out of 8 audio, video or audio-video sources to a single output. Selection is realized by push buttons located on the front panel. The selected input channel number appears on a 7-segment LED display.

The audio circuits are protected against transit signals during power-on and power-off to prevent loudspeaker damage.

An integrated linearly regulated power supply provides clean energy to the audio and video circuits.

Optionally, these selectors can be operated by I/R remote control (Product N° AVM-TXIR4 for 4-channel selectors and AVM-TXIRX for 8-channel selectors). A connector located on the rear panel also allows operating the selectors using a wired I/R signal coming from an I/R receiver or wired I/R control console. Using wired I/R allows remote control distances of several hundred meters.

The following AVM selector models are covered by this instruction manual :

- AVM S4VA, 4/1, selector composite video, unbalanced stereo audio
- AVM S4V, 4/1, composite video
- AVM S4A, 4/1, stereo audio
- AVM S4VSA, 4/1, Y/C video, stereo audio
- AVM S4VS, 4/1, Y/C video
- AVM S8V, 8/1, composite video
- AVM S8VS, 8/1, Y/C video
- AVM S8A, 8/1, stereo audio

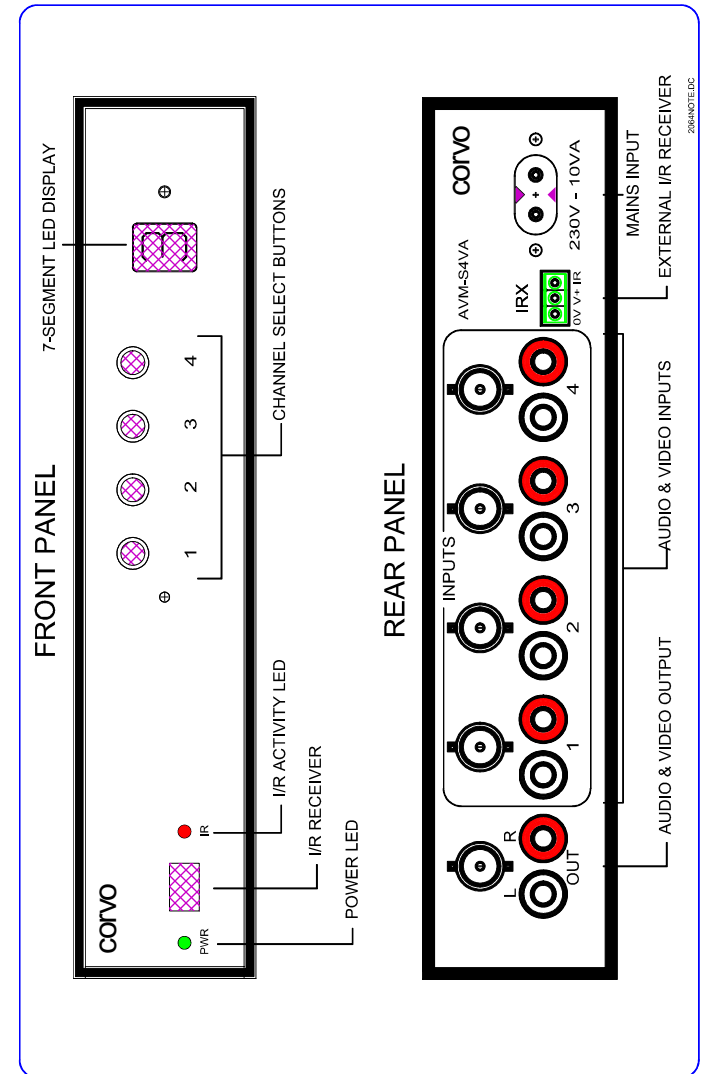
**2 - Connections**

The audio and video sources use connected to the appropriate "INPUT" connectors. Not all connectors need be used.

The output signal (selected input) appears at the audio and/or video connectors marked "OUT".

The supplied mains power cable should be connected to the 2-pole power connector located on the rear panel to an achive mains power point of the voltage indicated on the rear panel. When the mains connection is completed the selector turns on.

**3 - Component Location**



#### 4 - Operation

Connect the selector to the mains supply :

- The green "PWR" located on the front panel turns on
- The 7-segment LED display indicates that CH1 has been selected.

Pushing a channel select button selects, latches and displays the number of that channel.

When operating the selectors with an I/R remote controller, the red LED "IR" will flash when receiving valid IR remote commands.

An I/R receiver can be connected to the 3-point green connector marked IRX and located on the rear panel. Care must be taken to properly connect the three wires coming from the receiver to prevent possible destruction of the receiver. Valid I/R remote control signals received from a remotely located I/R receiver or wired I/R control keyboard will also cause the red "IR" LED to flash.

#### 5 - I/R remote control codes

The selector is equipped with an I/R remote control receiver using the RC-5 family codes. Dipswitches on the PCB allow selection of the RC-5 system-address following the table below :

RC-5 Address	Switch A1	Switch A0
24	ON	ON
25	ON	OFF
26	OFF	ON
27	OFF	OFF

Input channel selection codes are as follow :

RC-5 Codes	Input Channel Number
01	1
02	2
03	3
04	4
05	5
06	6
07	7
00	8

I/R remotes controls Corvo TXIR-04 (4 inputs) and TXIR-08 (8 inputs) are available in option.

#### 6 - Technical Specifications

##### General

Dimensions : 220X150X43,5 MM

Mass : 940 Grs

Main supply voltage : 230Vac/50Hz, 10 VA

Main power cable :2-pole detachable, L : 2M (6'6")

Fuse : 250V/200mA-T

Switching speed : 200 nano-seconds maximum

Case : shielded ABS, front and rear panels in anodised aluminum

Operating temperature range : 0° to 40° C (32 to 104°F)

Storage temperature range : -20° to 60° C (-4 to 140°F)

##### Option

I/R remote control, ref. : AVM TXIR4 (4 channel selectors) or AVM-TXIR8 (8 channel selectors)

##### Audio

Gain : 0dB

Bandwidth : 20 to 20 000 Hz +/- 0.2 dB

S/N ratio : 104 dB, 2 Vrms output

THD : 0,006 %, 2 Vrms/1 000 Hz

Crosstalk : 73 dB between left and right channels at 1 KHz

66 dB between any two input channels at 1 KHz

Saturation level : 4 Vrms, 1 000 Hz

Input impedance : 20 K $\Omega$

Output impedance : 600  $\Omega$

Connectors : Cinch

##### Video

Gain : 0dB

Input level : 1 Vp-p

Input impedance : 75  $\Omega$

Output impedance : 75  $\Omega$

Bandwidth : 80 MHz +/- 3 dB

Video standards : PAL, SECAM, NTSC

Diaphonie : 64 dB at 5 MHz, least favorable case

Connectors : BNC 75  $\Omega$

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