

# PPK-8 AUDIO / VIDEO SWITCHER

The switcher allows to select one from eight audio-video source signals input and connect it the output. The selection can be manual or automatic. For the automatic mode it is possible to change the inputs switching time from 0.5s to 125s with 0.5s step. The time setting can be done for all cameras together or for each camera independently. It is also possible to select inputs to bypass them in the sequence.

## **Main features:**

- Up to 8 audio and video source signals support.
- 2 audio signals outputs and 2 video signals outputs.
- Manual and automatic switching.
- Inputs switching time option.
- Selected inputs bypass option.
- Settings saving to EPROM memory.

## **SPECIFICATIONS:**

Number of A/V inputs	- 8/8
Number of A/V outputs	- 2/2
A/V inputs impedance	- 10k $\Omega$ /75 $\Omega$
A/V outputs impedance	- 39 $\Omega$ /75 $\Omega$
Power voltage	- 12V DC
Current consumption	- 100mA
Switching time range	- from 0,5s to 125s
Dimensions	- 213x36x93mm
Weight	- 280g

## **Manual and automatic mode selection.**

Audio/Video inputs are not separable. If you press an input key, you will switch the audio and video signals for this input together. To manual selection one pair of inputs, you have to press an appropriate key on the front panel below the input number. The chosen pair of inputs is indicated by green LED light above the key. The manual switching an Audio/Video input turns the automatic mode off. To turn on and turn off the automatic mode press the "A" key. The automatic mode is indicated by red LED light.

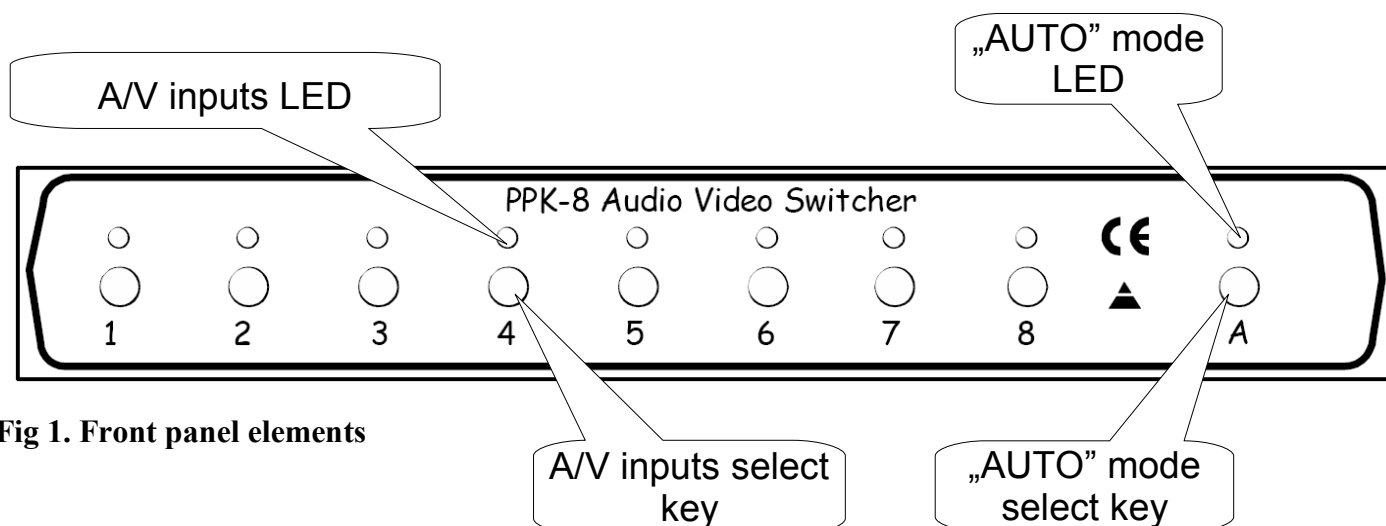


Fig 1. Front panel elements

## **Inputs switching time adjustment.**

To set up the switching time for the Audio/Video pair of inputs, press and hold the appropriate key on the front panel, the LED above will start to blinking. Each blink means the 0.5 sec duration time. So, you have to hold the key until the requested input switching time will get. For example, if you want to set 5 seconds switching time you will have to hold the key pressed for the time equal 10 blinks of LED. To set the switching time common for all cameras, press and hold two any inputs keys in the same time.

## **Bypass camera in the sequence setting.**

To set this option press and hold the "A" key over 1 second. The red LED will start to blinking, and the green LEDs show which cameras are active (the LED light is on for an active camera and off for inactive ones). To activate or inactivate an input press the key for the camera input. If the LED was on, it will be off and vice versa. To end the procedure and save the settings press the "A" key once again.

## **Settings saving to EPROM memory.**

It is possible to save configuration settings to EPROM memory of the device. It allows to restore the settings after power-off. The settings are saved when the bypass camera procedure is ending (see above). To memory are saved following settings: switching times for inputs, the numbers of inactive inputs (bypass option) and information about work mode after start (auto or not).

To set the switcher to auto mode after power-on, do the following actions:

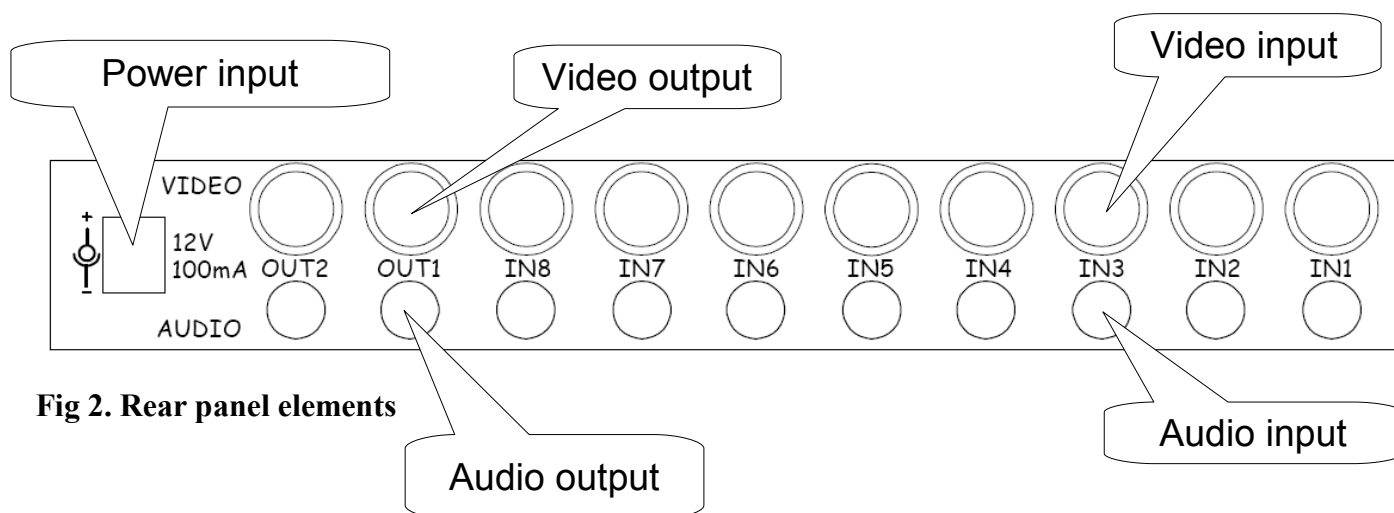
- Press the "A" key to set the auto mode (the "A" LED is on).
- Press and hold the "A" key over 1 second to activate the bypass option.
- Press the "A" key once again to end the procedure.

To set the switcher to manual mode after power-on, do the following actions:

- Leave the auto mode off (the "A" LED is off).
- Press and hold the "A" key over 1 second to activate the bypass option.
- Press the "A" key once again to end the procedure.

### ***Rear panel description***

The rear panel of the device has eight pairs of audio/video inputs IN1-IN8 and two pairs of audio/video outputs OUT1 and OUT2. The device is powered by stabilized power supply adapter 12V DC, the current consumption is about 100 mA.



**Fig 2. Rear panel elements**