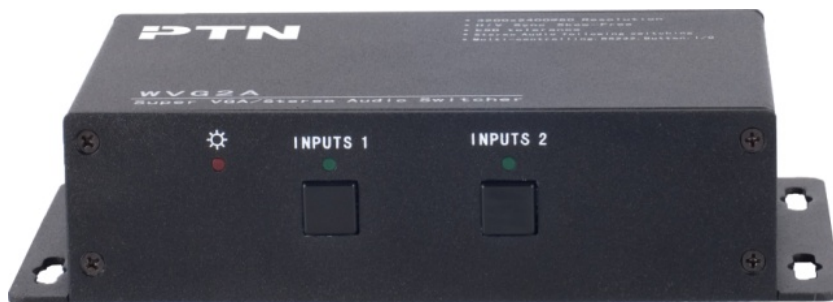


USER MANUAL

WVG2A

VGA/Stereo Audio Selection Switcher 2x1

WVG2A is a high-performance switcher for computer graphic signal and stereo audio signal respectively with 2 inputs and 1 output.



Front Panel



Rear Panel

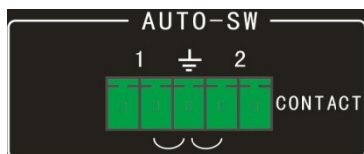
- Status Display: Three Front panel LED indicators can show you the working status anytime. (red for power, green for inputs)
- High Bandwidth: It reaches to 1GHz(-3dB), fully loading
- High Resolution: including QUXGA, QXGA, WQXGA, WQUXGA etc., up to 3200×2400@60(-3dB);
- Auto-switching function: WVG2A USB can detect the H/V signal of the computer graphics and switch automatically with the 4:3, 16:9, 16:10 screen display.
- Extensibility: It can realized remote control by PTN contact closure(WP2 control panel)
- RS-232 serial control port: It is compatible with PC software and the third party device
- GCSSP(Gain Compensation and Synchronization Signal Proofread technology) inside
- Audio sync-switching with the video
- Antistatic case design: providing good protection for long-term and stable performance
- Internal& international power supply (100Volt~240Volt AC, 50/60Hz)
- Wall/Table-mountable metal enclosure, PT case design

Specification

Video Input		Video Output	
Input	2 VGA	Output	1 VGA
Input Connector	VGA (15 pin HD), female	Output Connector	VGA (15 pin HD), female
Video Signal	RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, composite video	Video Signal	RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, composite video
Video General			
Resolution Range	3200x2400@60Hz(-3dB) 0~10MHz is +0.1dB to -0.1dB 0~130MHz is +6dB to -0.8dB	Bandwidth	1GHz (-3dB) full loading
Return Loss	-30dB@5MHz	Crosstalk	-50dB@5MHz
Switching Speed	200ns (Max.)	Input/output Level	0.5Vp-p ~ 2.0Vp-p
Gain	0dB	I/O Impedance	75Ω
Audio Input		Audio Output	
Input	2 stereo audio	Output	1 stereo audio
Input Connector	3.5mm mini jack connector	Output Connector	3.5mm mini jack connector
Audio Input Impedance	>10Ω	Audio Output Impedance	50Ω
Audio general			
Frequency Response	20Hz~20KHz	Stereo Channel Separation	>80dB@1KHz
CMRR	>90dB @20Hz to 20K Hz		
Control Parts			
Control/Remote	Buttons; RS-232 (9-pin female D connector)	Pin Configurations	2 = TX, 3 = RX, 5 = GND
Options	TCP/IP control by PTNET	Auto Switch	Auto detect and switcher by joint contact
General			
Max DC compensation	1.5V	Humidity	10% ~ 90%
Temperature	-20 ~ +70°C	Power Consumption	10W
Power Supply	100VAC ~ 240VAC, 50/60Hz	Product Weight	0.5Kg
Case Dimension	W160 x H44x D100mm		

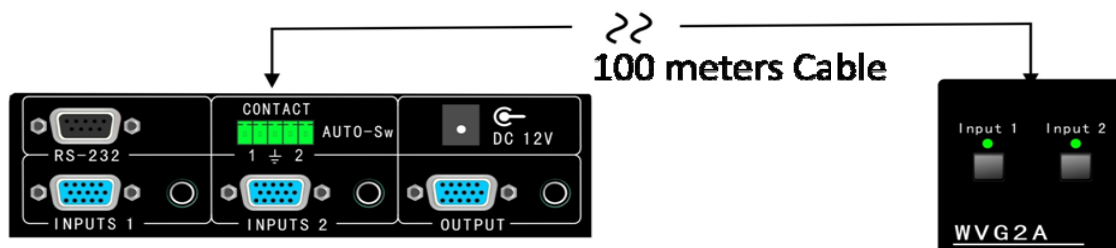
NOTE: All nominal levels are at ±10%.

Automatically Switching & Automatically Detecting



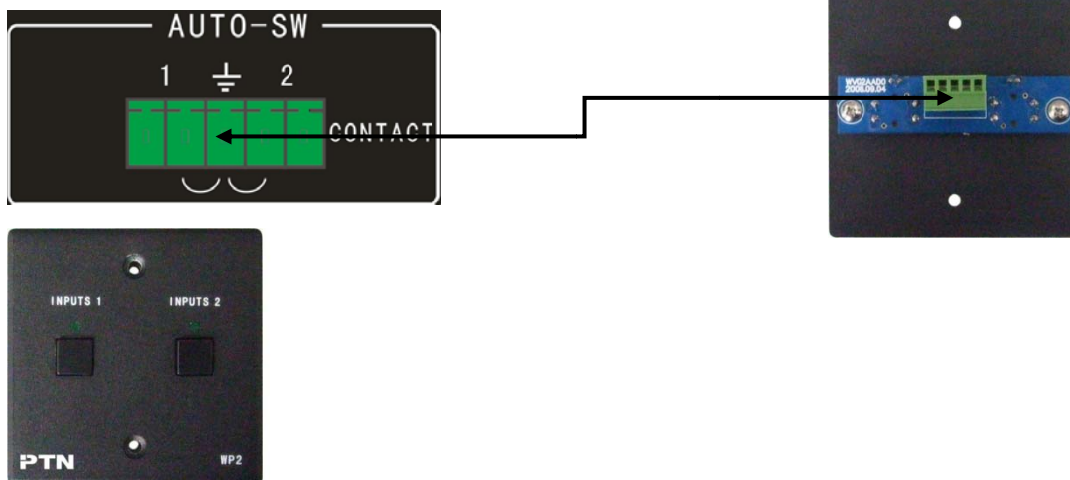
- Joint "pin2", "pin3", "pin4" together, The device will enter the auto-switching status.

Remote Plate Diagram (Optional)



- ✓ 100 meters controllable with the remote contact plate
- ✓ Mountable Plate, 86*86 universal standard wall base box
- ✓ LED indicator built in the controlling plate.

How to install?



The switching command: RS232 controlling

Communication protocol:

Baud rate: 9600

Data bit: 8

Stop bit: 1

Parity bit: none

ASCII protocol	Function Description
1B1.	Switching from input 1 to the output
2B1.	Switching from input 2 to the output
AV 01->01	Feedback command when switching the 1
AV 02->01	Feedback command when switching the 2
WVG2	System information of the device
PTN 1.0	Firmware version of the device

System Diagram

