

PRO-ONE

AV CONTROL SYSTEM

Get Every AV Device Under Control



Stressed over teaching and presentation whilst awkwardly fumbling with random AV controls? Make instructing easier!

PRO-ONE is the ultimate choice for any multimedia rooms, the most comprehensive and essential all-in-one controller for all AV devices.

Applications : Multimedia Classroom Training Centre High-tech Home
Conference Room Language Laboratory
Information Display Centre Distance Learning Centre

System Diagram



Features

- PRO-ONE integrates AV Selector, VGA Selector, VGA splitter, karaoke mixer, power amplifier, and Infrared Learner & Controller
- 7-channel AV selector inputs
- 3-channel AV selector outputs
- 1-channel microphone input
- 2-channel VGA inputs
- 2-channel VGA outputs with VGA splitter
- 50W power amplifier with speaker outputs
- Infrared remote control learning
- Mic volume, master volume, treble and bass level control
- Power supply: 100-115/ 230 volt
- Mountable rack
- Can collaborate with XCLASS Multimedia Classroom Management System

Broadcast Options at Your Choice

- Broadcast Teacher Computer Screens (Desktop or Notebook) to Projector Screen
- Broadcast Analog AV Signals (DVD, VCD, DV-CAM and VCR videos) to Projector Screen or Student Computers

Teachers Can Select

- What to broadcast
- Broadcast destination

Control with One Device

- **Function Control:** Play, Pause, Stop, Record, Rewind, Forward, Track selection
- **Volume Control:** Master Volume Level Up/ Down, Mute, Stereo or Mono selection
- **Screen Control:** Up/ Down, Stop buttons
- **Lighting Control**

No need to bother learning each AV control device! PRO-ONE does it ALL for you in ONE foolproof control panel!

Control Device Options

- **User A** – Prefers to control AV devices by clicking on a computer screen
- **User B** – Prefers more conventional hardware controls : Press buttons on one control panel
- **User C** – If there is no computer in my multimedia room, how can I utilize PRO-ONE?

PRO-ONE does it all! Software control and hardware control interfaces are both available for your choice!

Specifications

- LCD Display: 16 x 2 Characters (English)
- RJ-11 Connector x 1: For Pro-One AV Controller
- RS232C Output Control Port x 3: For Controlling Projector, Visualizer, Aux (RJ-11 Connector)
- Lighting Control Port x 1: Light Zone Control x 4 (ON/ OFF)
- Electronic Screen Control Port x 1: For Controlling Screen (UP/ DOWN/ STOP)
- With External Modules: Screen Controller x 1, Lighting Controller x 4 Zones
- Dimensions: 278mm x 162mm x 72mm
- Power Requirements: DC 12V Adaptor



1. Hardware Control Panel (Pro-One Keypad)



2. *XCLASS Plug-in Software Control Panel

Only available with XCLASS Professional or EVO version*

Functions at a Glance

- AV Input/ Output Channel Selection
- Power On/ Off of AV equipment
- Function Control
- Volume Control
- Screen Control (optional) *
- Lighting Control (optional) *
- All functions available on the Hardware Control Panel (Pro-One Keypad)

* Only available on the Hardware Control Panel (Pro-One Keypad)

HDMI Converter (optional)

The HDMI Converter enables PRO-ONE to convert HDMI to either Composite Video or S-Video. It allows mobile devices, say, smartphones and tablets equipped with HDMI output to be connected to our AV control system.



Features

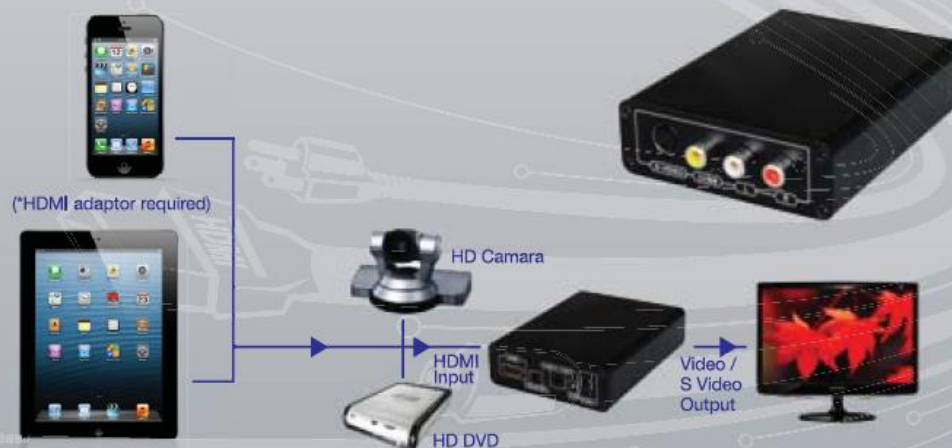
- Input HDMI Resolution: 480p (60Hz), 576P (50Hz), 720p (50Hz / 60Hz), 1080i (50Hz / 60Hz), 1080p (50Hz / 60Hz)
- Output Signal: Composite Video (1.0Vpp), S-Video(Y:1.0Vpp / C:0.3Vpp)
- Output Video Systems: PAL/NTSC
- Output Video Impedance: 75Ω
- Compatible with HDMI 1.3 and HDCP
- Power Supply: DC 5V
- Working Temperature: -25~75°C
- Working Humidity: 10%-60%
- Product Dimension: 118*84*28mm (L*W*H)

Mobile devices with HDMI output are supported now!!

Interface Specifications



- | | |
|---|---|
| 1) HDMI In: To connect HD device sources | 5) DC 5V: To connect DC 5V power supply |
| 2) PAL/NTSC Switch: select PAL or NTSC | 6) S-Video Out: S-Video output |
| 3) CVBS/S-Video Switch: Select Composite Video or S-Video as output | 7) CVBS Out: Composite Video output |
| 4) LED: Power indicator | 8) L/R: Audio L/R output |



Note: This product doesn't support simultaneous output of Composite Video and S-Video. Please select either one of them by the switch button on the unit.

AV Controller Specifications

VGA Switch		
Slew rate:	1100V/μs	
Bandwidth:	250MHz (@ -3dB)	
Gain Matching:	R to G to B: 0.10dB Input 1 to Input 2: 0.01dB	
Input:	2-channel standard VGA signal Connectors: DB-15 (female) x 2	
Output:	2-channel synchronized VGA signal Impedance: 75 ohms Connectors: DB-15 (female) x 2	
Audio Switch		
Cross-talk:	-75 dB	
Channels Isolation:	-80 dB	
Input:	7-channel stereo inputs Connectors: Composite Stereo (female) x 7	
Output:	3-channel synchronized outputs: Connectors: Composite Stereo (female) x 3	
Video Switch		
Cross-talk:	-60 dB (@ VIN=1Vpp: f=3MHz)	
Channels Isolation:	-75 dB	
Voltage Gain:	6 dB (@ 1MHz: VIN=1Vpp)	
Bandwidth:	10MHz	
Input:	7-channel composite inputs Connectors: Composite (female) x 7	
Output:	3-channel composite outputs Connectors: Composite (female) x 3	
Power Amplifier		
Power:	50W + 50W (@ 8 ohms)	
Total Harmonic Distortion	<0.2% (@ 1kHz, 10W, 8 ohms)	
Signal to Noise Ratio	75 dB	
Frequency Response:	20 Hz – 20 kHz, ± 2dB	
Mic. Input Sensitivity:	20 mV	
Infra-red Control		
Reception Frequency:	15 kHz – 50kHz (Infrared)	
Reception Error:	<5%	
Memory Size:	256 codes	
Transmission Range:	>3 meters	
General		
Power Requirements:	100-115/230 V AC	
Power Consumption:	120 W	
Dimensions:	With mounting bracket: 482 mm(W) x 87 mm(H) x 245 mm(D) Without mounting bracket: 440 mm(W) x 87 mm(H) x 245 mm(D)	
Gross Weight:	8.8 kg	
Operating Temperature:	0 °C – 40 °C (32 °F – 104 °F)	
Operating Humidity:	5% - 90%	
Storage Temperature:	-20 °C – 55 °C (-4 °F – 130 °F)	
Supplied Accessories:	1 x VGA cable, 1 x RS-232 cable 2 x Stereo 3.5mm splitter cable (1 x 3.5mm male to 2 x 3.5mm female)	2 x Infrared transmitter with cable and jack 1 x Power cord