



AMPERES SPEAKERS VOLUME CONTROLLERS SOUND THAT DELIVERS

IP65 WEATHERPROOF • EN54-24 • FR-ENCLOSURE • LONG-THROW SOUND



COMMERCIAL INSTALLATIONS

Retail stores, offices, hospitals



INDOOR & OUTDOOR SPACES

Parks, campuses, stadiums



TUNNELS & TRANSPORTATION

Clear communication where it matters



PUBLIC ADDRESS SYSTEM

Announcements that reach every ear



SAFETY & COMPLIANCE

Meeting global safety standards

① INTRODUCTION

Amperes provides a comprehensive range of speakers and volume controllers designed to work in perfect harmony. From economical solutions to premium models, our selection is built for any environment—indoor, outdoor, or even demanding tunnel installations. With IP65 weatherproofing, EN54-24 compliance, and optional fire-rated enclosures, our speakers prioritize safety and durability. To complete your setup, our upgraded dual-tone volume controllers combine modern aesthetics with reliable performance.





VC7000 Series (W/B)

86 x 86mm Volume Controller



VC7000A Series

70 x 120mm Volume Controller



VC8000 Series

86 x 86mm Volume Controller

Model Variants

VC7000 Series (86 x 86mm)	VC7010	10W 100V Line Resistive
	VC7030	30W 100V Line Auto Trans
	VC7050	50W 100V Line Auto Trans
	VC7100	100W 100V Line Auto Trans
	VC7150	150W 100V Line Auto Trans
	VC7810	10W 8 Ohm Resistive
VC7000A Series (70 x 120mm)	VC7010A	10W 100V Line Resistive
	VC7030A	30W 100V Line Auto Trans
	VC7050A	50W 100V Line Auto Trans
	VC7100A	100W 100V Line Auto Trans
VC8000 Series (86x 86mm)	VC8010	10W 100V Line Resistive
	VC8030	30W 100V Line Auto Trans
	VC8050	50W 100V Line Auto Trans
	VC8100	100W 100V Line Auto Trans

Take control of your audio volume with the **VC7000** and **VC8000** Series volume controllers. Perfect for meeting rooms, function halls, etc. These controllers allow users to adjust local speaker levels independently without affecting the rest of the system. With a built-in emergency override and LED indicator, it will allow important paging announcements to bypass local level setting at maximum volume.

Key Features

- Suitable for **4-wire system installation** (2 for 100V audio, 2 for 24V DC override)
- **Built-in override relay** to allow emergency signal to bypass volume attenuation
- **Overriding LED indicator** whenever EM paging is activated
- **6-step volume attenuation** with OFF position

Technical Specifications

Power rating	Refer to each model variants
Overriding voltage	24V DC
Overriding current	15mA
Overriding indicator	Red LED
Attenuation	6 steps including OFF
Attenuation/step	6 dB/step *VC7010 comes with 3 dB/STEP
Attenuation method	VC7010 / VC8010: Resistive Other Models: Auto transformer
Colour	White RAL9016 / equivalent
Terminal cable	22 - 14 AWG
Physical dimensions (W x H x D)	VC7000 / VC8000 Series: 86 x 86 x 40mm VC7000A Series: 70 x 120 x 40mm
Net weight	VC7810 / VC7010 120 gms VC7030 / VC7060 260 gms VC7100 / VC7150 400 gms VC8010 120 gms VC8030 / VC8050 / VC8100 280 gms

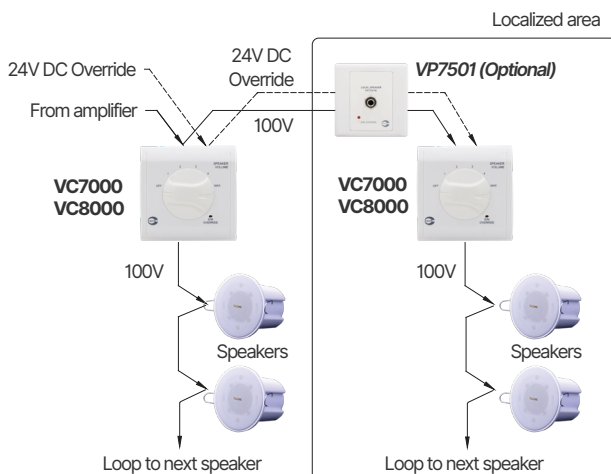
Back enclosure / Mounting box (Optional add-ons):

For **VC7000 & VC8000 Series** 86 (W) x 86(H) x 60(D) mm
EA9090 - Conceal Mounting Box (ABS)
ES9090 - Surface Mounting Box (Steel)
ES8787 - Surface Mounting Box (ABS)

For **VC7000A Series** 70(W) x 120(H) x 60(D) mm
EC7012 - Conceal Mounting Box (Steel)
ES7012 - Surface Mounting Box (Steel)

Note: All Volume Controllers are supplied without back enclosure / surface mounting box.

4-Wire System Installation





VR7600 Series is a rack-mounted, 6-zone volume controller designed for centralized audio management. It provides independent volume control for each zone and includes an override relay for emergency broadcasts. Available in standard ratings of 50W, 100W, or 150W per channel, it can also be customized to meet specific power requirements.

Model Variants

VR7600 Series	VR7605	6 Zone x 50W 100V Line Rack Mount VC
	VC7610	6 Zone x 100W 100V Line Rack Mount VC
	VC7615	6 Zone x 150W 100V Line Rack Mount VC

Key Features

- Rack-mounted
- 6-zone master volume controller with **50W, 100W, or 150W per channel**
- **Customizable** zone ratings available
- **Built-in overriding relay** for emergency volume bypass
- **Suitable for 4-wire system** installation (2 for 100V audio, 2 for 24V DC override)

Technical Specifications

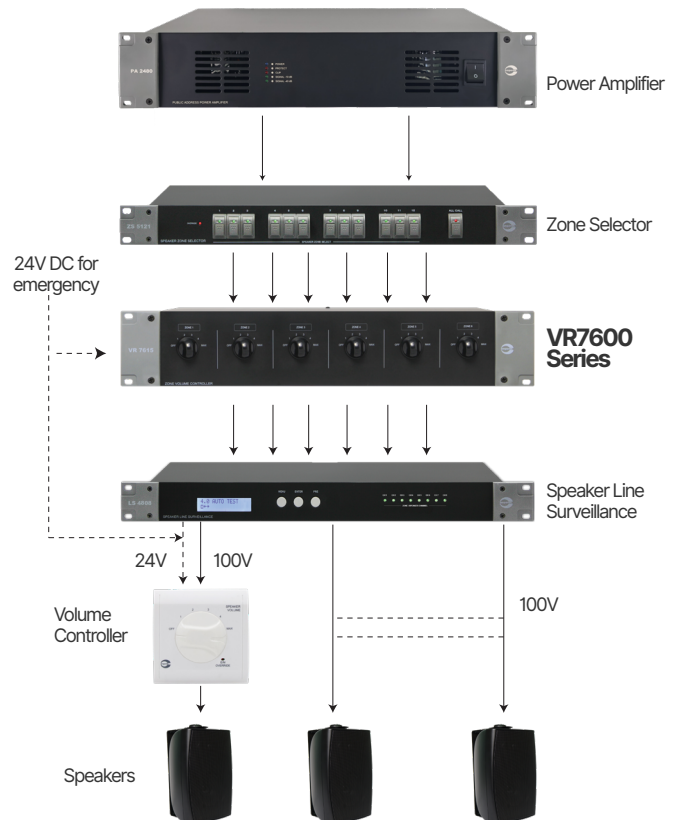
VR600 Series	VR7605 / VR7610 / VR7615
Power rating	50W / 100W / 150W 100V line per zone
Overriding voltage	24V DC
Overriding current	15mA per channel
Attenuation	6 steps including OFF
Attenuation / step	6 dB/step
Attenuation method	Auto transformer
Dimensions (W x H x D)	482 x 88 x 60 mm
Net weight	2.10 / 3.10 / 3.20 kg

Packing Information

Carton size	555 (L) x 295(W) x 165(H) mm
Gross weight	VR7605: 5.50 kg VR7610: 7.20 kg VR7615: 7.30 kg
Qty/carton	2 units per carton

Application Schematic for VR7600 Series

VR7600 Series rack mount zone VC should be installed before **LS4808 / LS4816** to avoid false fault detection due to variation of impedance whenever volume is adjusted.



VP7501 VP7810

Speaker Patches Panel



VP7501

100W 100V Local Speaker Patch Panel (86x86mm)

The **VP7501** is a reliable 100W local speaker patch panel (86x86mm) engineered for localized audio management. It is suitable for restaurants, retail stores and meeting rooms. This patch panel allows you to enjoy localized music or presentations through a local amplifier.

It facilitates seamless switching between a local amplifier and the central Public Address system. Featuring an integrated 24V DC-triggered relay, the unit ensures that critical emergency broadcasts instantly override local audio, prioritizing life safety.



VP7810

10W 100V - 8 Ohm Speaker Patch Unit (86 x 86mm)

The **VP7810** is a specialized 10W speaker patch unit (86x86mm) designed to integrate 8 Ohm local speakers with 100V line PA systems. It features a built-in step-down transformer and a 24V DC override relay, ensuring that central paging instantly supersedes local audio sources like TVs.

An integrated LED provides clear visual confirmation when the override is active, making it an essential component for safety-compliant installations in hospitality and residential sectors. Example of application is for hotel TV to bathroom audio integration.

Technical Specifications

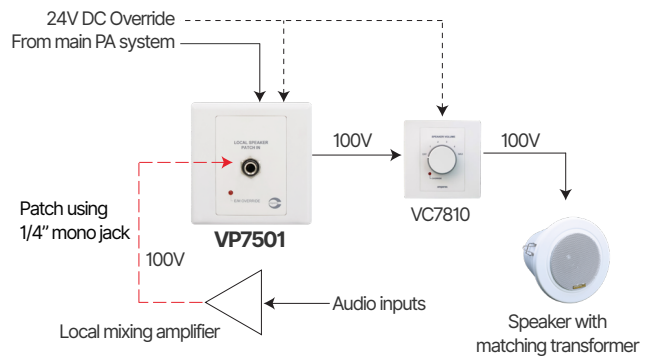
	VP7501	VP7810
Power rating	100W 100V Max	10W 8 Ohm
Overriding voltage	24V DC, 15mA	
Patch connection	1/4" Phone jack-front patch	Hardwired
Cabling	4 wire system (2 for 100V audio, 2 for 24V DC override)	6 wire system (2 for 100V audio, 2 for 24V DC override, 2 for 8 Ohm amplifier)
Physical dimensions	86 (W) x 86 (H) x 60(D) mm 70 (W) x 120(H) mm - <i>Upon Request</i>	
Net weight	100 g	220 g
Back enclosure (Optional):		
Concealed enclosure	77 (W) x 77 (H) x 60 (D) mm	
Surface enclosure	86 (W) x 86 (H) x 60 (D) mm	

Note: All speaker patch are supplied without back enclosure / surface mounting box.

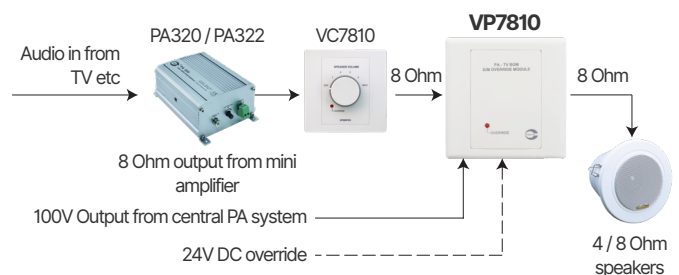
Packing Information

Carton size	550 (L) x 425 (W) x 220 (H) mm
Gross weight	VP7501: 10.5 kg VP7810: 23.1 kg
Qty/carton	90 units per carton

Application Schematic for VP7501



Application Schematic for VP7810



Simplify your system integration of local system / remote system with central paging with the **PR7400**. This multi-functional module solves two critical challenges in one unit: it manages priority paging through reliable relay switching and converts 100V line audio for use with local sound systems.

Whether you need to bypass local volume controls or bridge a central PA system with a local amplifier, the PR7400 provides a robust, professional solution without the need for external 24V DC overriding signal. With the availability of dry contacts, you may use it to bypass local volume controllers.

It is ideal for applications in sub tenants in malls, cinema etc. and when 24V emergency overriding signal is not available for bypassing purpose.

Key Features

- Converts any 100V line audio input to a **balanced line audio output**
- Enables **emergency override** for local sound systems
- DPDT relay with **NO/NC contacts** for flexible output configurations
- **Adjustable** sensitivity, relay trigger time, and output volume
- Works without a 24V DC override cable
- **Compact design** for easy installation in cabinets or risers



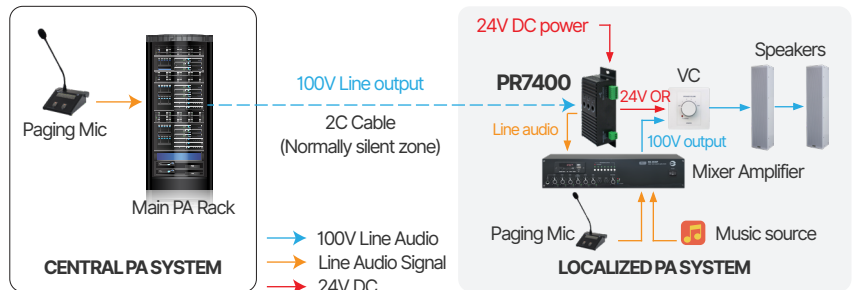
Technical Specifications

Operating voltage	24V DC via local adaptor
Power consumption	2.1W (Standby) 2.5W (Operating)
Paging input	50V / 70V / 100V line
Sensitivity threshold	5 - 80V RMS
Detection frequency	80 - 5 kHz
Relay	NC and NO (DPDT)
Relay contact	1A at 24V DC
Paging load / rating	100W at 100V
Trigger duration	5 - 18 seconds
Audio output	Line balanced
Output level	Mute - 0 dB
Frequency response	150 - 18 kHz ± 3 dB
Isolation to 100V	37.5 dB
Indicators	Power, relay trigger, audio
Connections	Detachable phoenix
Dimensions (W x H x D)	52 x 147 x 40 mm
Net weight	200 g (Excluding adaptor)
Compatible adaptor	PS2405 - 24V 0.5A AC/DC

Packing Information

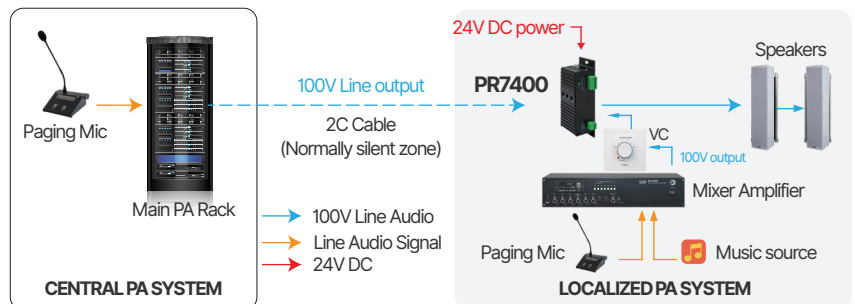
Carton size	110 (L) x 85 (W) x 160 (H) mm
Gross weight	0.70 kg (Including adaptor)
Qty/carton	1 unit per carton

Application 1: Overriding Local BGM Source



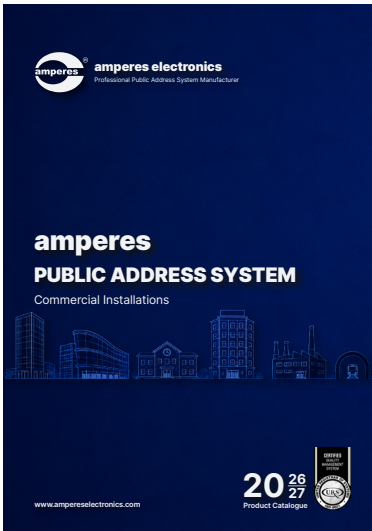
24V DC OR (overriding) will be present only when paging from central system is made to this zone.

Application 2: Overriding Local Speaker



Utilizing the DPDT relay for overriding local 100V output from mixing amplifier.





**2026/2027 Product Catalogue
Public Address System**

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AMPERES ELECTRONICS SDN. BHD.
Professional Public Address (PA) System Manufacturer
Co. No: 200001006420 (509025-X)



 www.ampereselectronics.com
 info@ampereselectronics.com

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