

# Outdoor IP Amplifier Terminals(4G-Enabled)

▶ (SPK-IPA-50-4G / SPK-IPA-100-4G / SPK-IPA-100E-4G)



**Bring you easier online management of IP/4G Amplifier  
Terminals and clear, superior audio quality**

## ▶ INTRODUCTION

This IP amplifier terminal integrates IP/4G network audio decoder and digital amplifier to effortlessly drive constant impedance speakers, enabling clear, stable sound reinforcement for outdoor public address needs.

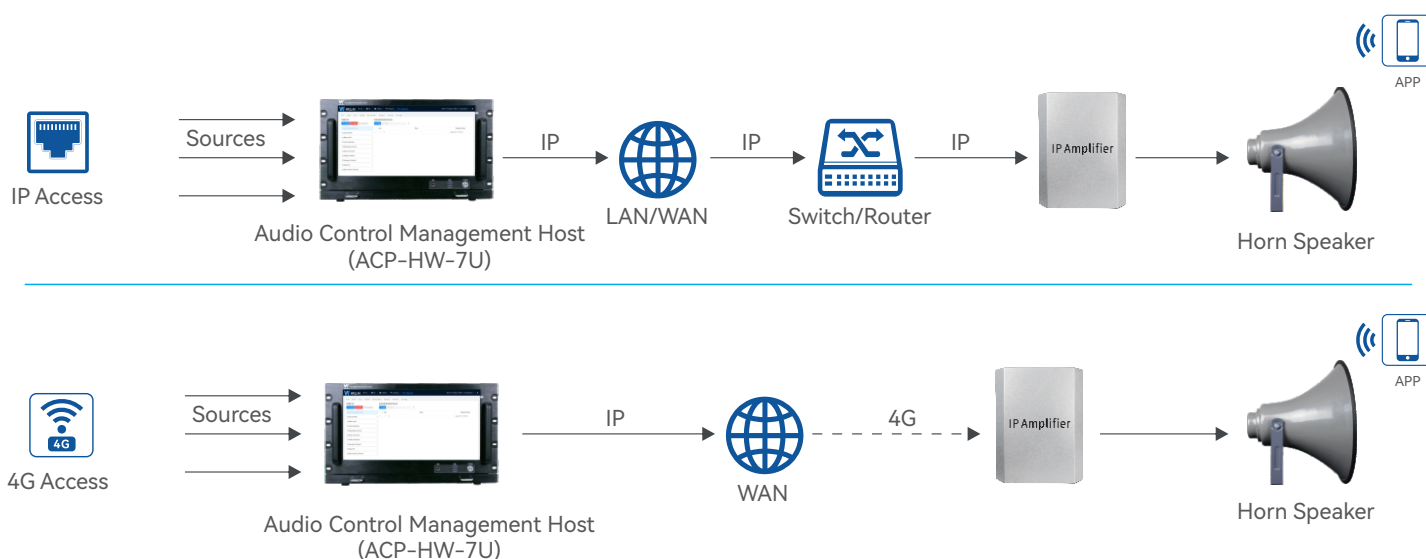
## ▶ KEY FEATURES

- ▶ Ensures easy outdoor installation and durable use with an all-in-one wall-mounted, waterproof design integrating network decoder, digital amplifier and speakers.
- ▶ Delivers clear, detailed sound with built-in high-fidelity linear array speakers and stereo Class D amplifiers.
- ▶ Offers flexible off-grid power solutions, compatible with solar systems through DC input for remote or outdoor applications.
- ▶ Triggers automated broadcasting and stores backup audio via RS485/Digital Input and built-in TF card (optional) for offline use.
- ▶ Connects effortlessly with existing analog devices through local audio I/O, protecting investments in legacy audio setups.
- ▶ Offers two rated power options (50W/100W) and supports up to 50W/100W total constant impedance speakers, enabling flexible single/multiple speaker setups for stable sound reinforcement.



## ▶ SIMPLE AND EASY DEPLOYMENT

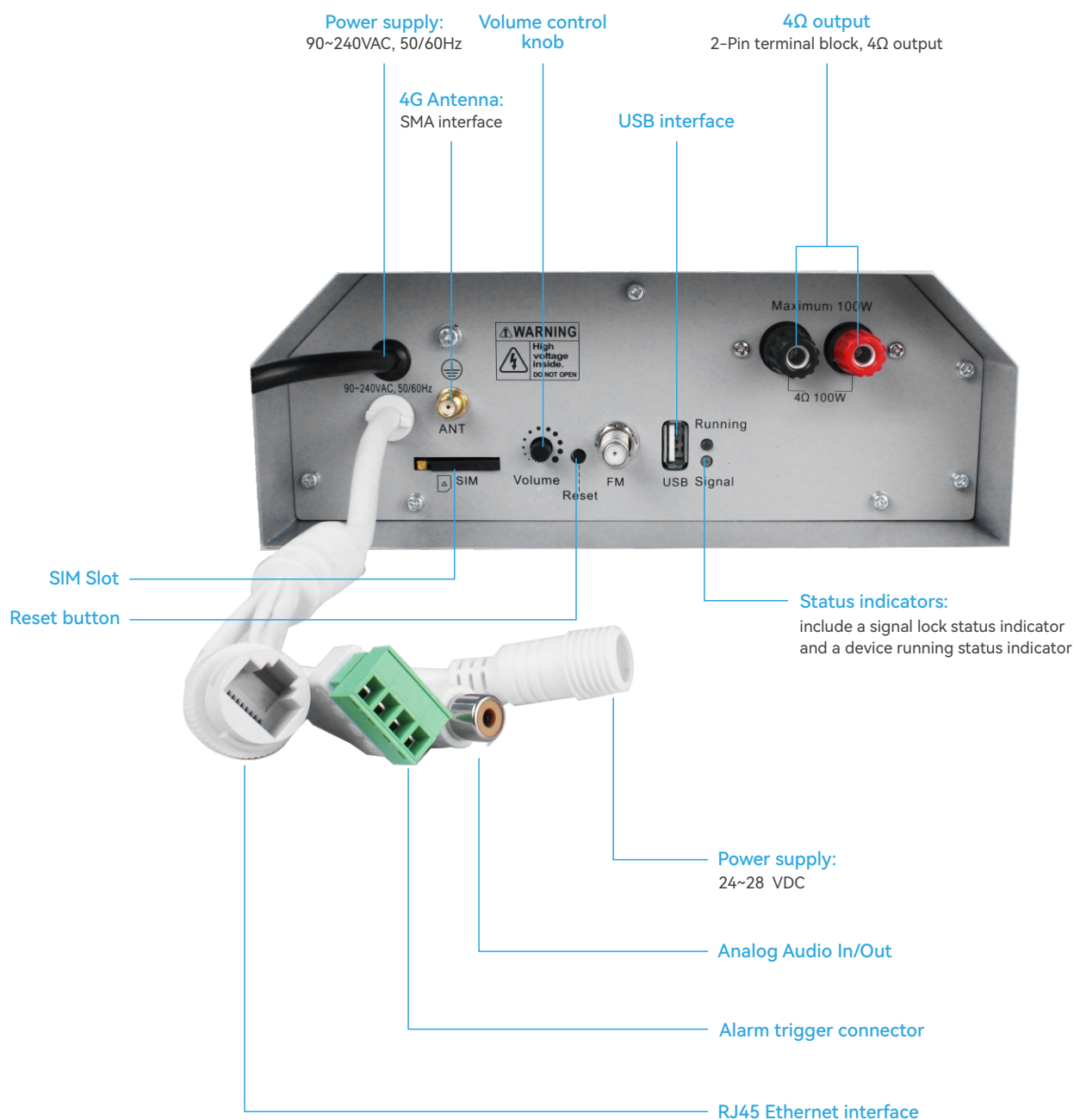
Enable the amplifier via a single Cat-5/6 cable which can utilize existing IP network infrastructure or simply an activated 4G IoT card. The connected horn speaker immediately delivers clear, high-quality sound. Notably, the 4G amplifier allows instant audio reception without the need for complex wiring. Designed for applications requiring minimal construction and scalability for future expansion, it is ideal for challenging environments such as scenic spots, parks, farms, construction sites, river channels, and tunnel projects, where wiring and construction are difficult, remote management is essential, and flexible deployment solutions are required.



*Easily expand the NO of column speaker as needed or relocate them for use in different areas*

## ▶ PORT INFORMATION

(take SPK-IPA-100E-4G as an example)



## TECHNICAL SPECIFICATIONS

Model	SPK-IPA-50-4G	SPK-IPA-100-4G	SPK-IPA-100E-4G
Power Consumption	50W	100W	
Ethernet Interface	1× RJ45 (100Mbps)		1× RJ45 (100Mbps) (from wire harness)
4G Network	1× external 2/3/4G SIM slot, 1× SMA interface with antenna; LTE-FDD: B1/B3/B5/B8, LTE-TDD: B34/B38/B39/B40/B41		
Network Protocol	SIP, HTTP/HTTPS, TCP/IP, UDP, ARP, ICMP, IGMP, RTSP		
Digital Interface (DI)	/		1x 4-pin phoenix connector (1x RS485, 1x DI, all from wire harness)
RJ485 Interface	/		
Analog Audio Interface	/		1× RCA port, input/output (optional)
USB Interface	1× USB2.0 (Type-A)		
Built-in TF	/		128M
Volume Adjustment	Software (ACP-SW-1000) or App for remote control		1× volume control knob for local control;Software (ACP-SW-1000) or App for remote control
Upgrade	Local IP/USB file upgrade; OTA via software (ACP-SW-1000)		
VAC Input Voltage	90–240 V AC, 50/60 Hz		
VDC Input Voltage	1× DC 24~28V Jack, Φ5.5 mm with Φ2.2 mm female pin		1× DC 24~28V Jack, Φ5.5 mm with Φ2.2 mm female pin (all from wire harness)
Lightning Protection Rating	≥6kV		
Ingress Protection	IP66		
Operating Temperature	-20–50°C (-4–122°F)		
Storage Temperature	-40–60°C (-40–140°F)		
Operating Humidity	< 90% RH (non-condensing)		
Color	Gray, metal shell		
Dimension (W×H×D)	210×271×89 mm		
Weight	2.07 kg		

Product specifications are subject to change without notice.

## ORDERING INFORMATION

Model	Description
PK-IPA-50-4G	50W, outdoor IP amplifier terminal(4G-Enabled)
SPK-IPA-100-4G	100W, outdoor IP amplifier terminal(4G-Enabled)
SPK-IPA-100E-4G	100W, outdoor IP amplifier terminal(4G-Enabled) with RS485/DI interface and 24~28 VDC power supply

## ► DIMENSION DRAWING

