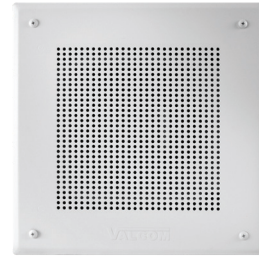


# Technical Specifications

## VIP-428A-SA Intrado Revolution® IP Square Speaker

- Intrado Revolution compliant
- Excellent voice and music reproduction
- Wide sound dispersion
- High-efficiency Class-D amplifier
- Sturdy steel grille
- Mounting backboxes available
- Indoor use only



*Intrado Revolution compliant  
Square hole pattern  
Talkback speaker*

### Description:

The VIP-428A-SA IP Square Speakers are capable of reproducing voice paging and background music for a wide sound dispersion. The VIP-428A-SA is designed with a square hole pattern and may be recessed mounted on wall or ceiling. The Square Speaker is ideal for most interiors such as schools, offices, retail stores and medical settings.

## SPECIFICATIONS

### SPEAKER ELEMENT

**Cone diameter:** 8-inch (20.32 cm)  
**Voice coil impedance:** 45 Ohms  
**Cone type:** 5oz (142g) ceramic magnet

### AUDIO OUTPUT

**Rating:** > 96 dB @ 4ft (1.22 m)  
**Signal/noise ratio:** -70

### NETWORK

10/100 Mbps Ethernet port  
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup  
Time and date synchronization using NTP

### POWER REQUIREMENTS

Power over Ethernet (POE) 802.3af compatible

### AUDIO CODECS

G.711 u-law, others

### PROTOCOLS

IETF SIP (RFC3261)  
IETF IGMP version 3 (RFC3376)  
IETF RTP (RFC1889)  
IETF RFC2833

### Intrado Revolution CONFIGURATION METHODS

DHCP Option 72  
Static Configuration

### FREQUENCY RESPONSE

80 Hz to 15 kHz

### ENVIRONMENT

**Temperature:** +32 to +104 °F (0 to +40 °C)  
**Humidity:** 0 to 85% non-precipitating

### HOUSING AND FINISH

Steel housing with a white powder coated finish

### DIMENSIONS AND WEIGHT

11.50in H x 11.50in W x 3.70in D  
(29.20cm x 29.20cm x 11.40cm)  
**Weight:** 4.25lbs (1.91kg)  
**Shipping Weight:** 8.40lbs (3.79cm)

### ACCESSORIES

VB-S11 Square Surface Mount Backbox (Metal)  
VB-R12 Square Flush Mount Backbox (Metal)  
VB-A13 Square Angled Mount Backbox (Metal)

2024 Rev. 2.2.7

# Technical Specifications

## ARCHITECTS AND ENGINEERS

The IP Square Speaker, model VIP-428A-SA, shall be Intrado Revolution compliant. The VIP-428A-SA shall enable voice access to a single zone of paging over an IP-based network. The VIP-428A-SA shall allow a page zone extension anywhere on the network.

Power shall be provided to the VIP-428A-SA via a Power over an Ethernet (PoE) switch meeting the 802.3af specification. Setup of the VIP-428A-SA shall automatically acquire an IP address (using DHCP) and connect to the Intrado Revolution server when connected to the network and powered up. Information specific to the application shall need to be programmed into the Intrado Revolution server.

The VIP-428A-SA IP Square Speaker grille shall be constructed of

steel with a durable white powder coated finish. The color of the enclosure can easily be changed to match any décor. The VIP-428A-SA shall be designed for recessed or flush mounting to a Valcom backbox (not included). The VIP-428A-SA shall be suitable for indoor applications.

Maximum dimensions shall be: 11.50in H x 11.50in W x 3.70in D (29.20cm x 29.20cm x 11.40cm). Weight shall be approximately 4.25lbs (1.91kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).