

- ✓ Fist based paging microphone
- ✓ Live, store + forward & pre-recorded message triggers
- ✓ 10 selection buttons
- ✓ Wall mounted
- ✓ Lockable and vandal resistant enclosure
- ✓ IP65 enclosure suitable for exterior installation
- ✓ Flexible connectivity supporting both IP or analogue / serial



SAP03

Station Announcement Point with 10 buttons

Zenitel's Station Announcement Point (SAP03) paging microphone is purpose-built for both interior or exterior public areas, such as train station platforms, to enable local announcements. It is housed in a robust, IP65-rated, vandal-resistant, wall-mounted, lockable enclosure and integrates seamlessly with Zenitel's PAVA Audio Routers.

The microphone features a flexible fist microphone with an integrated Push-to-Talk (PTT) button and a 10-button panel. The buttons can be used to select zones for live announcements or to trigger pre-configured 'recorded messages'. Each button is equipped with three LEDs that indicate the following depending on the systems configuration, when a button (zone) is selected, when a zone is in use (busy), when a VA announcement is in progress, or if a fault condition is detected.

To ensure system integrity, the microphone generates a low-frequency surveillance tone to continuously monitor the audio connection to the Audio Router. The microphone capsule is monitored by injecting and analyzing a signal, ensuring any open or short circuits in the capsule or associated wiring trigger a fault indication. Additionally, the Audio Router monitors the data connection and reports any local alarms.

Simple Operation

The microphones can be configured for live or store-and-forward broadcasts and to trigger zonal functions such as pre-recorded messages and background music feeds (BGM) or control zone volume levels. Zone selection is facilitated through the physical selection buttons.

Connectivity

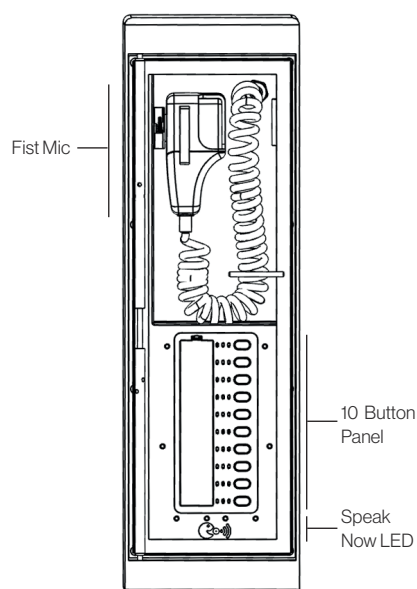
Field connections are provided on the inside rear panel of the back box by DIN rail mounted terminals.

The SAP03 offers a simple connection, by directly connecting to a Zenitel Audio Router using analogue line audio, a serial link, and 24 V DC power, or via standard IP. Both connection methods are monitored for integrity.

When using the serial link distances up to 500 meters are achievable with a typical CAT5/6 cable.

MECHANICAL

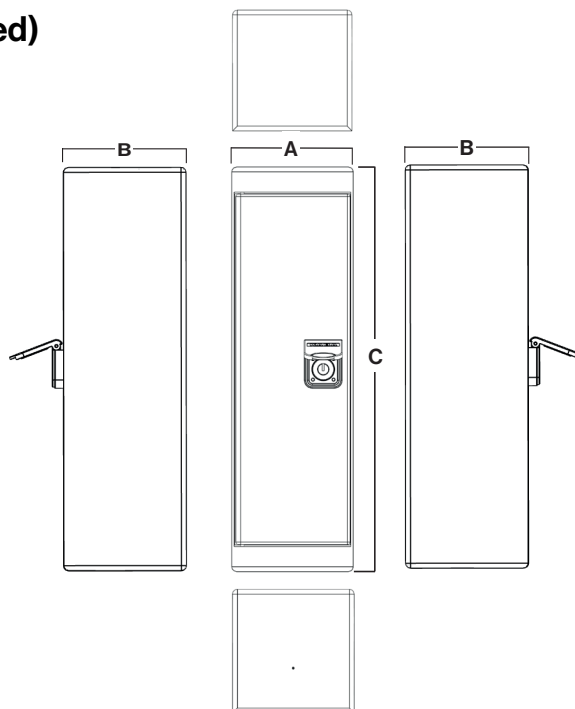
Control Panel & Buttons (Door Open)



MECHANICAL

Views & Dimensions (Door closed)

Dimension (excludes the lock)		
A	Width	150 mm
B	Depth	151.5 mm
C	Height	500 mm



SPECIFICATION

Power Supply

Input Voltage	18-40 V DC or PoE 42-57V DC
Current Consumption @ 24V (nom. - LEDs off)	
SAP03	90mA
Current Consumption @ 24V (max. - LEDs on)	
SAP03	110mA

Analogue and Serial Connectivity

Audio	Dual Analogue Balanced Audio / OdBu nominal / 220Ω
Control Data	EIA RS485 / 19200 baud
Hardware Bypass Interface	2 x Push-To-Talk switch, 2 x Speak Now LED

IP Connectivity

Audio and Control Data	1 x 100BASE-T Ethernet (RJ45)
Audio Format (VolP)	Zenitel's Proprietary PMC

General

Buttons	10
Microphone	Fist with Integrated PTT
LED Indications	
Speak Now	Blue
Zone VA Status	Red
Zone Fault	Yellow
Zone Select / Busy	Green
Lock Type	High Quality Cylinder Lock

Mechanical

Dimensions (H x W x D)	500 mm x 150 mm x 151.5 mm
Weight	10.5 kg
Colour	Agate Grey RAL7038 Low Smoke and Fume, Zero Halogen

Environmental

Temperature (Storage)	-20 °C to +55 °C
Temperature (Operation)	-10 °C to +55 °C
Humidity Range	0% to 95% non-condensing
Ingress Protection	IP65 (With door closed, and back box fixing and cable entry holes sealed).

Compatibility

Zenitel Audio Routers	VAIA Range, VIPEDIA Range, IPAM Range and VAR Range
-----------------------	---

Approval and Standard Compliance

Railway Applications	EN 50121-4
Low Voltage Directive (Safety)	EN 62368-1
Electromagnetic Compatibility (Immunity)	EN 55035 / EN 50130-4 / EN 61000-6-1 / EN 61000-6-2
Electromagnetic Compatibility (Emissions)	EN 55032 (Class B) / EN 61000-6-3 EN 61000-6-4
Environmental	RoHS / REACH
Conformity Europe	CE / UKCA

Product Part Codes

SAP03	Station Announcement Point with 10 buttons
-------	--

Alternative Hardware

SAP02	Station Announcement Point
-------	----------------------------

Manufactured by Zenitel GB Limited

Unit 17, Cliffe Industrial Estate, Lewes, East Sussex, BN8 6JL, UK

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel, Vingtor-Stentofon and Phontech products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice. ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend. Zenitel – All rights reserved.

www.zenitel.com
sales@zenitel.com

Created: 2014.04
Revised: 2025.02 | V3

U-0664-0629
SAP03 Datasheet