

## Paging Microphone / PA Call Station

Model: KNPA800

Call Station with a Gooseneck microphone



Front



Rear



Wall mount call station

## Key Functional Features & Benefits

### ■ Purpose-Built Design

- ☐ Exclusively engineered for professional PA applications
- ☐ EN 54-16 and ISO 7240-16 certified for safety compliance
- ☐ CE marked and RoHS compliant for environmental standards
- ☐ Designed for 24x7 round-the-clock operation with energy-saving features during standby mode

### ■ User-Friendly Interface

- ☐ 7-inch TFT touchscreen with intuitive controls
- ☐ Expandable with configurable TFT display buttons for zone selection
- ☐ Clear status indicators for power and communication
- ☐ Push-to-talk activation with visual confirmation
- ☐ Integrated time-synchronization capability with GPS or local Observatory time servers

### ■ Superior Audio Management

- ☐ Professional gooseneck unidirectional microphone
- ☐ Adjustable microphone sensitivity and volume control
- ☐ 3.5mm jack for wireless microphone input
- ☐ Software-configurable parametric equalization and limiting
- ☐ Built-in configurable chime generator with single-tone, 2-tone and 4-tone options
- ☐ High-quality audio with frequency response of 100 Hz - 20 kHz and signal-to-noise ratio  $\geq 60\text{dB}$

### ■ Flexible Broadcasting Capabilities

- ☐ Selective zone, group-zone, and all-call paging options
- ☐ Pre-recorded message distribution with zone targeting
- ☐ Live announcements with exceptional clarity
- ☐ Configurable emergency alert buzzer with adjustable volume
- ☐ Advanced scheduling options for automated announcements, including specific dates and repeated daily/weekly/monthly broadcasts
- ☐ Priority-based audio routing with emergency override functionality
- ☐ Configurable emergency alert buzzer with adjustable volume and instant override functions

### ■ Enterprise-Grade Reliability

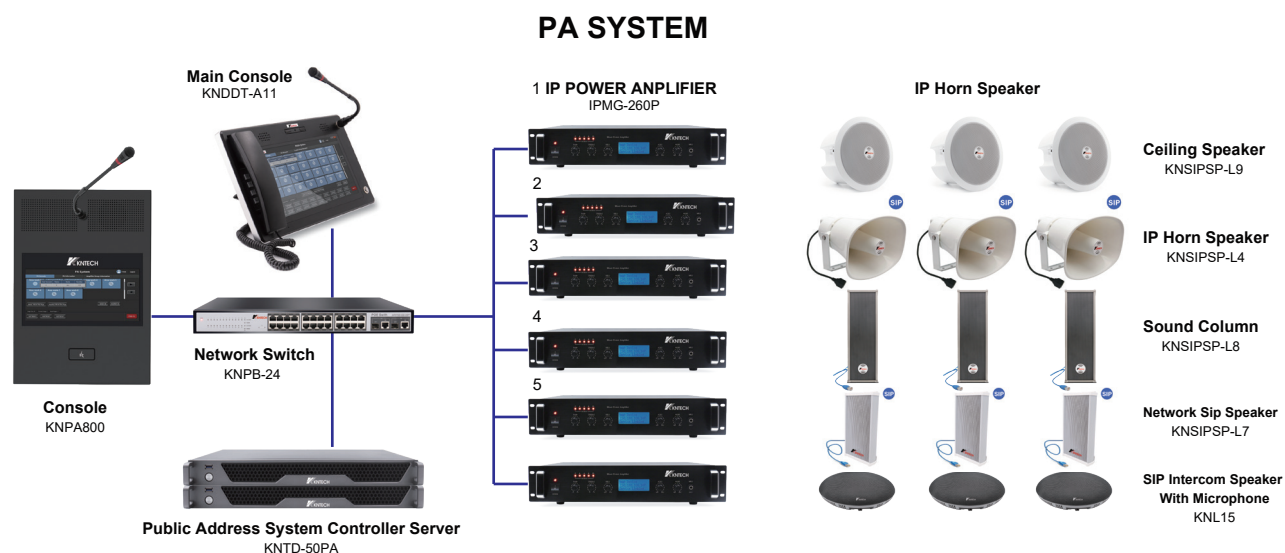
- ☐ Power over Ethernet (PoE) operation for simplified installation
- ☐ Dual Ethernet ports for network redundancy
- ☐ No external power supply required
- ☐ Supports remote monitoring with visual and aural output level indicators
- ☐ Extended connectivity options with CAT5 cable for distances up to 100m and Fiber + Pair cable for up to 3km

## Specification

Parameter	Description
<b>Model Information</b>	Digital IP Call Station with Gooseneck Microphone, KNPA800
<b>Performance Specifications</b>	
Power Source	Power over Ethernet (PoE) or line powered from remote PA Power supply box
Power Consumption	24VDC @ 24W
Audio Performance	Frequency Response: 100 Hz - 20 kHz
Sound Quality	Distortion: ≤ 1%
Signal-to-Noise Ratio	≥ 60dB
Audio Processing	Software-configurable Parametric Equalization and Limiting
Microphone Type	Gooseneck Unidirectional Microphone
Polar Pattern	Unidirectional
Audio Input (3.5mm socket)	0 dBV, 600 ohm, balanced for background music input
Monitor Speaker	Internal Built-in speaker with output of 80 dB SPL at 1m
<b>Audio Management &amp; Control</b>	
User Interface	7-inch touchscreen for easy control and zone selection
Chime	Built-in chime with single, dual, and quad-tone options, and a built-in speaker for monitoring
Audio Controls	Adjustable microphone sensitivity and volume control with software-configurable parametric equalization and limiting
Activation	Push-to-talk button with indicator light
Time Synchronization	Automatic time sync with GPS or local time servers
<b>Network &amp; Integration</b>	
Maximum Cable Distance	Cat 5 for connections within 100m / Fiber + Pair cable for extended range up to 3km
Data Communication	Digital IP connectivity with AES67 audio protocol and AES70 control protocol with encryption
Integration	Compatible with zone selection, group-zone and all-call paging applications
<b>Redundancy &amp; Monitoring</b>	
Power Redundancy	Dual power supply options (PoE or external 24VDC)
Network Redundancy	Dual Ethernet ports for failover protection
System Monitoring	Status indicators for power, failure, and function switching
<b>Physical &amp; Environmental</b>	
Operating Temperature	0°C to +40°C
Operating Humidity	35% to 80% RH (non-condensing)

Parameter	Description
Housing Material	ABS (Acrylonitrile Butadiene Styrene)
Dimensions	270 (L) x 190 (W) x 34.5 (H) mm (excluding microphone)
Weight	0.93kg
<b>Expandability</b>	
Expansion Capacity	Up to 192 Paging Buttons configurable via extension modules
Functionality Extensions	Support for pre-recorded message distribution with zone targeting
<b>Compliance</b>	
Certification	EN 54-16 and ISO 7240-16 certified, CE marked, RoHS compliant

## System Network Diagram



## Dimensions

Unit: mm



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