

Remote Microphone

Model: KNPA800Plus

Call Station with a Gooseneck microphone



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
- ☐ Equipment 192 DSS key(32*6pages)
- ☐ Emergency broadcast button with transparency cover

■ 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

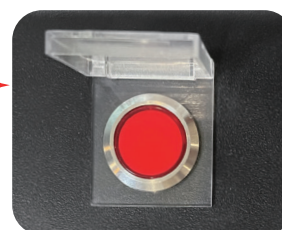
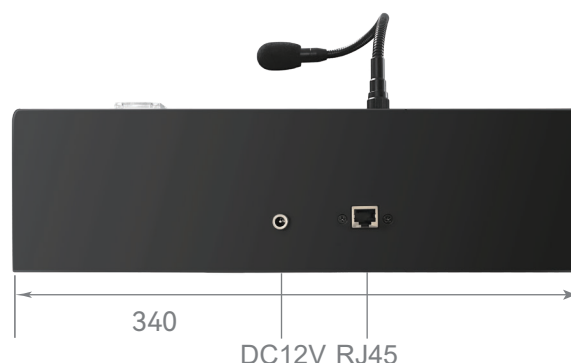
Specification

Parameter	Description
Model Information	Remote Microphone
Performance Specifications	
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: $\leq 1\%$
Signal-to-Noise Ratio	$\geq 60\text{dB}$
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
Audio Management & Control	
User Interface	7- inch touch screen 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
Dss Key	192 DSS keys
Network & Integration	
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
Redundancy & Monitoring	
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
Physical & Environmental	
Operating Temperature	0°C to +40°C
Operating Humidity	35% to 80% RH (non-condensing)

Parameter	Description
Housing Material	Cold-roll steel sheet&ABS(Acrylonitrile Butadiene Styrene)
Dimensions	340 (L) x 320 (W) x 97.9 (H) mm (excluding microphone)
Weight	4kg
Expandability	
Expansion Capacity	Up to 192 Paging Buttons configurable via extension modules
Functionality Extensions	Support for pre-recorded message distribution with zone targeting
Compliance	
Certification	Certified Compliance With EN 54-16 and ISO 7240-16 Standard, CE Marked / IEC 61082/ IEC 60300 / IEC 60068 IEC 60050 / IEC 62368 / IEC 60601-1 and IEC 60601-1-2

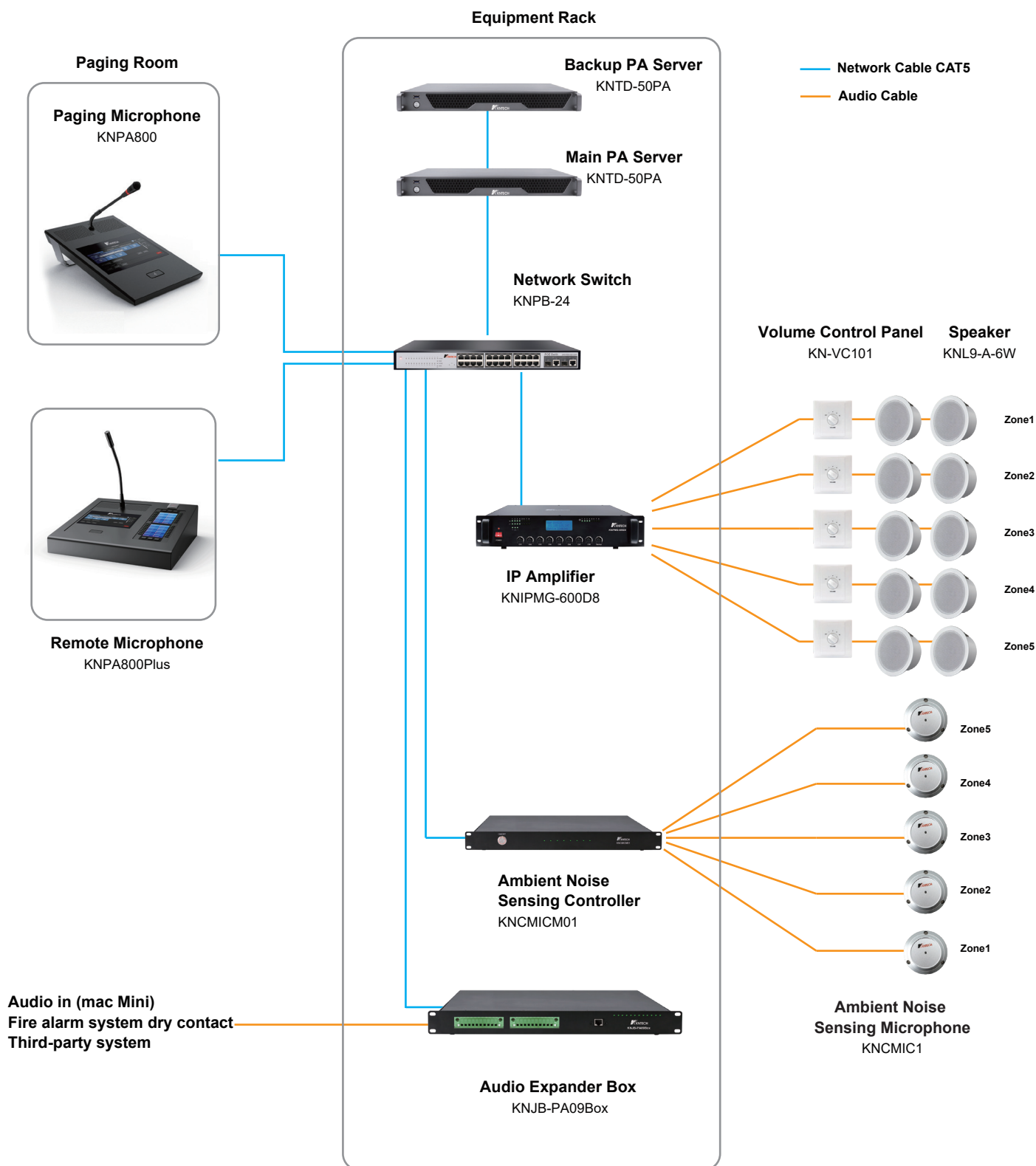
Size

unit:mm



Emergency broadcast button with transparency cover





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