Paging Microphone / PA Call Station

Model: KNPA800miniR with Red button

Call Station with a Gooseneck microphone

Power indicator
Failure indicator
Network indicator

Power indicator
Failure indicator
Network indicator

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

☐ 3.5-inch TFT display

☐ 16(8*2) free-programmable buttons

☐ One button with security cover for emergency function

☐ Equipment 96 DSS keys(16*6pages)

☐ 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 ≥ 60dB

■ 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

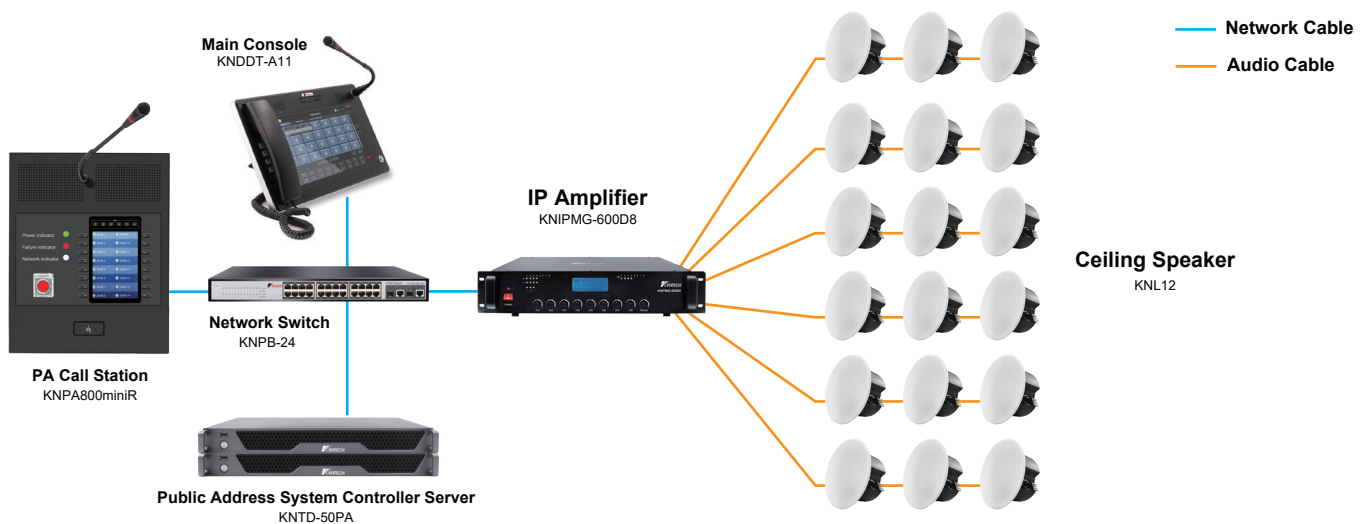☐ Extended connectivity options with CAT5 cable for distances up to 100m and Fiber + Pair cable for up to 3km

Specification

Parameter	Description
Model Information	Digital IP Call Station with Gooseneck Microphone, KNPA800miniR
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: ≤ 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
Audio Management & Control	
User Interface	3.5-inch TFT display
Dss Key	96 DSS keys
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
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	ABS (Acrylonitrile Butadiene Styrene)
Dimensions	213 (L) x 190 (W) x 76 (H) mm (excluding microphone)
Weight	0.93kg
Compliance	
Certification	Certifed Compliance With EN 54-16 and 1S0 7240-16 Standard, CE Marked / IEC 61082/ IEC 60300 / 1EC 60068 IEC 60050 / IEC 62368 / IEC 60601-1 and IEC 60601-1-2

System Network Diagram

PA SYSTEM

Main Console
KNDDT-A11

IP Amplifier
KNIPMG-600D8

— Network Cable
— Audio Cable

Ceiling Speaker
KNL12

PA Call Station
KNPA800miniR

Network Switch
KNPB-24

Public Address System Controller Server
KNTD-50PA

Dimensions

Unit: mm

190

76

106

213