

BOGEN®

Nyquist Zone Paging Microphone Station (Model NQ-ZPMS)



Description

The Bogen NQ-ZPMS Zone Paging Microphone Station is primarily designed for high zone-count commercial applications (e.g., transportation hubs, etc.), wherever a lot of zone paging occurs, or where a flexible microphone station is desired. It can also be used as an alternative to the NQ-T1100 Admin Phone.

The phone's color touchscreen provides rapid, efficient, and reliable control over many Nyquist features, such as launching pages, announcements, audio distributions, routines, tones, and managing school/site bell schedules. Its flexible gooseneck microphone, coupled with quick access to a large number of soft zone page buttons, makes it ideal for "busy" paging applications with lots of paging zones, such as schools, transportation terminals or large commercial facilities.

Key Features & Benefits



HD Audio

A G.722 wideband audio codec provides superior acoustic performance and delivers HD-quality audio that characterizes Bogen Nyquist systems. The NQ-ZPMS delivers this audio quality in high traffic network environments with built-in Noise Reduction and Full-duplex Acoustic Echo Cancellation.



Simple Customization and High Expandability

The NQ-ZPMS has a ten-inch, 1280 x 800-pixel, color touch-screen, allowing clear, visual presentation, easy menu navigation, and video call capabilities. The phone has 112 one-touch DSS keys which can be programmed to various features.



Operating System

Built on the very stable Android 9.0 operating system, the NQ-ZPMS can reduce the cost of operation and maintenance due to stable operation while providing better compatibility and scalability for future access to more systems and devices.

Additional Features

Highlighted Features

- 112 one-touch DSS keys on 10.1” capacity color touch screen
- HD audio on speaker and handset
- Built-in Bluetooth 5.0 and 2.4G/5G Wi-Fi
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 40 and 50 degrees

Operating System

- Android 9.0 OS with higher security and better compatibility
- Built-in Applications: Files, Calendar, Gallery, Browser, Email, Calculator, Notepad, Sound Recorder, Clock, Video, Music

Phone Features

- Call logs (In/out/missed, 1000 entries)
- Screen saver
- Voice Message Waiting Indication (VMWI)
- UI Programmable DSS/Soft keys
- Network Time Synchronization
- Built-in Bluetooth 5.0: Support Bluetooth headset/ Bluetooth of Mobile Device
- Built-in Wi-Fi | 2.4GHz, 802.11 b/g/n | 5GHz, 802.11 a/n/ac

Network

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode: IPv4
- IP Configuration: Static / DHCP
- Network Access Control: 802.1x
- VLAN

Audio Features

- HD Voice Microphone/Speaker (Handset/Hands-free, 0KHz - 7KHz Frequency Response)
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Wideband Codec: G.722
- Full-duplex Acoustic Echo Canceller (AEC)
- Noise Reduction (NR)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Call Features

- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Auto-Answering
- BLF

Management

- Auto-Provisioning via Nyquist server for mass deployment
- Web Management Portal

Package Contents

- Bogen NQ-ZPMS Zone Paging Microphone Station
- Handset with handset cord
- Attachable Stand
- Quick Start Guide

Operating System (OS)	
Type	Android® 9.0
Phone	
Local Phonebook Size	2000
Supported Protocols	SIP2.0 over UDP/TCP/TLS, RTP/RTCP/SRTP, STUN, DHCP, CDP, LLDP, 802.1x, SNTP, FTP/TFTP, HTTP/HTTPS, TR-069
SIP Lines	20
Power Supply	PoE or PoE+
Bluetooth Headset Compatible	Yes
DSS Key	Yes
Call Log Depth	1000 entries
Bluetooth Version	5.0
WiFi	2.4GHz (902.11 b/g/n) 5GHz (902.11 a/n/ac)
Audio	
Microphone/Speaker Frequency Response	20Hz - 7kHz (minimum range)
Sampling Rate	16kHz
Supported Wide Band Codecs	G.722
AEC	Full duplex
Gooseneck Mic Frequency Response	10Hz - 20kHz
Network	
Speed	10/100/1000 Mbs
Access Control	802.1x
Mechanical	
Screen	10.1" (1290 x 900)
Physical Keys	Volume Down, Volume Up, Home, Hands Free, Return
Handset Connector	RJ9
Headset Connector	RJ9
Operating Temperature	0 - 45C
Operating Humidity	10 - 95%
Dimensions	
Shipping Dimensions	12.71" x 11.95" x 2.90" (323 x 301 x 71 mm)

Applications



Healthcare



Transportation



Industrial/Warehouse



Education



Corporate

A & E Specifications

The Nyquist Zone Paging Microphone Station (Model NQ-ZPMS) includes both a telephone handset and a flexible gooseneck microphone. The PoE powered station has a large 10.1" color touchscreen that shows the time and date when in an idle state and displays station numbers along with the call-in priority of staff stations that are calling in when defined as the Admin Phone for those staff stations. The NQ-ZPMS is designed to fit a wide variety of Nyquist applications including high zone-count facilities (e.g., transportation hubs, etc.), or wherever a lot of zone paging occurs to facilities where a flexible microphone station is desired. Capabilities are determined by station CoS programming, and some of the CoS options include Zone Paging, All-Call Paging, Emergency All-Call Paging, alarm signals, audio files, and external functions such as initiating routines. The 112 one-touch DSS keys are easy to program directly on the device or by using the station programming within the Nyquist UI. The NQ-ZPMS includes a stand with two adjustable angles of 40 and 50 degrees. Systems that do not provide these capabilities as a minimum shall not be considered equal.

LIMITED WARRANTY, EXCLUSION OF CERTAIN DAMAGES

NQ-ZPMS is warranted to be free from defects in materials and workmanship for five (5) years from the date of sale to the original purchaser. Any part of the product covered by this warranty that, with normal installation and use, becomes defective (as confirmed by Bogen upon inspection) during the warranty period will be repaired or replaced by Bogen, at Bogen's option, with new or refurbished product, provided the product is shipped insured and prepaid to: Bogen Factory Service Department: 4570 Shelby Air Drive, Suite 11, Memphis, TN 38118, USA. Repaired or replacement product(s) will be returned to you freight prepaid. This warranty does not extend to any of our products that have been subjected to abuse, misuse, improper storage, neglect, accident, improper installation or have been modified or repaired or altered in any manner whatsoever, or where the serial number or date code has been removed or defaced.

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Products that are out of warranty will also be repaired by Bogen Factory Service Department -- same address as above or call 201-934-8500, at owner's expense. Returned products which do not qualify for warranty service, may be repaired or replaced at Bogen's option with a previously repaired or refurbished item. The parts and labor involved in these repairs are warranted for 90 days when repaired by the Bogen Factory Service Department. All parts and labor charges as well as shipping charges will be at the owner's expense. All returns require a Return Authorization number. For most efficient warranty or repair service, please include a description of the failure.

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