



**BOGEN®**

## **E7000** SERIES

### **The Modern Educator's Digital Communication Solution for safer, better managed schools**

Nyquist E7000 is a software-based state-of-the-art IP paging and intercom solution that leverages the latest digital, mobile, and software technologies to address today's educational environments, security challenges, and mobile lifestyles. But to call it a paging and intercom system is to understate its capabilities. The E7000 Series is a suite of powerful, yet easy-to-use tools that allows educators to quickly and effectively manage campus and district-wide communications.

E7000 is built upon Bogen's award-winning Nyquist IP-based communications platform that features a rich software suite with an intuitive web-based graphical user interface (GUI). The GUI offers map-based paging and intercom management with hierarchical drill-down views, station supervision with email alerts, and text-to-speech functionality for scripted announcements. E7000 also provides analog telephone support via third-party 24-port VoIP gateways.

E7000 software resides on a network server, which can be a Nyquist System Controller (NQ-SYSCTRL) or a user-provided server, and utilizes existing LAN/WAN and/or legacy "home-run" cable infrastructure for two-way data and communication flow. IP phones and purpose-built appliances provide convenient communication control and interoperability with third-party devices.



## Easy Graphical User Interface (GUI)

Administrators, educators, and support staff love the E7000! Users interface with the system either through a feature-rich touch display VoIP Admin Phone or via a browser-based GUI (see Fig. 2) on desktop and laptop computers, smart phones, and tablets, allowing users to access the system no matter where they are in the connected world.

The core principle of the E7000 user interface is simplicity. Form follows function, resulting in an interface that is functional, intuitive, and aesthetically pleasing.



Figure 2 - Map-Based Graphical User Interface of the E7000 Dashboard

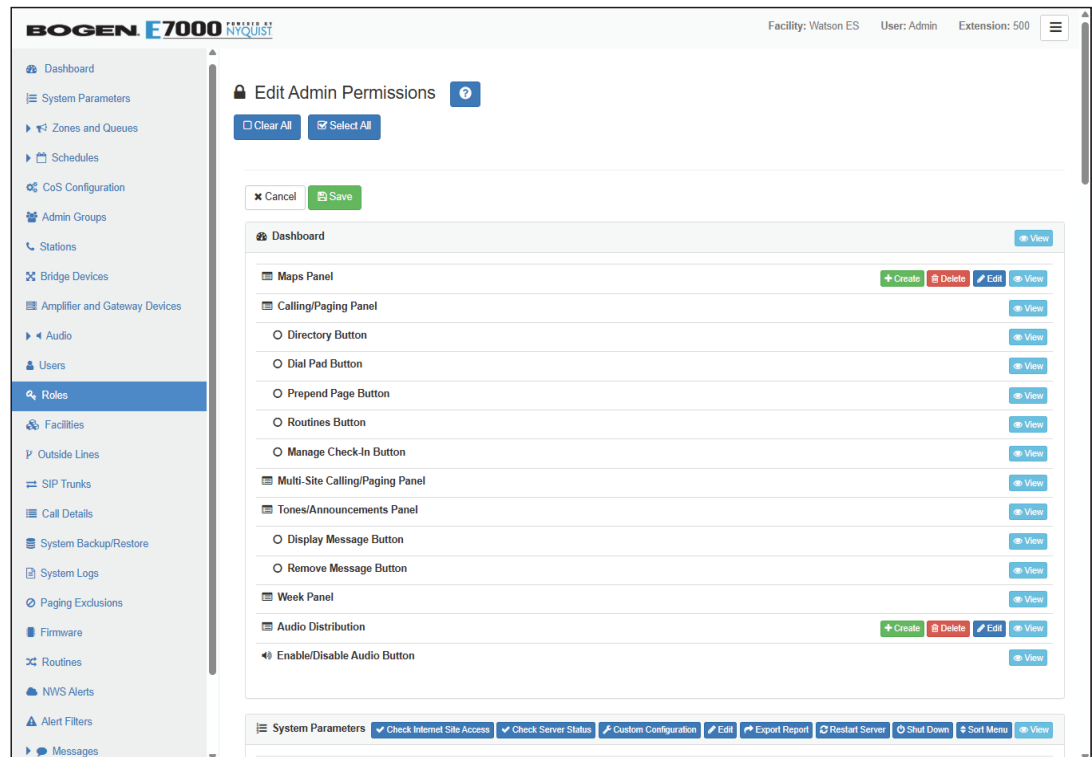
The map-based paging and intercom feature makes launching pages and announcements even more intuitive.

The optional text-to-speech feature eliminates the need to audibly record scripted announcements.

The E7000 GUI allows people with a broad spectrum of technical proficiencies to use the system. Buttons are large and clear, text is simple and legible. Embedded tooltips and guides aid in user self-sufficiency. Technical administrators can assign individual users permissions appropriate for their role and proficiency (see Fig.3).

## Figure 3 - E7000 makes it easy to define roles and permissions

The Nyquist E7000 can be configured to obtain user account and group information from an Active Directory (AD) server using the LDAP protocol.



## E7000 CAPABILITIES

- **Enhanced Safety and Security** - Instantaneous accessibility to campus and district-wide communications vital for the safety and security of students and staff. E7000 can help with features such as district-wide paging/announcements, call monitoring, call recording and playback, emergency paging with prerecorded or Text-to-Speech announcements, emergency lockdowns, and much more.
- **Powerful Routines/Routines API** - Routines and Routines API facilitate automated sequences of events via multiple trigger types and connections to third party applications for crisis planning and situational awareness.
- **3rd-Party Integrations** - E7000 can interface with a variety of 3rd-party systems such as access control, fire, security/alarm, and even hardware sensors via the programmable I/O Controller appliance.
- **Unlimited Scheduling** - Administrators can easily configure and control all bell/event scheduling functions via E7000's powerful web-based user interface. Bell schedules can be controlled across the entire district from a single user interface.
- **Unmatched Audio Capability** - Bogen's 90-plus year history of audio excellence is evident in the range and quality of appliances and features, including embedded music streaming services and pro-audio DSP controls.
- **Technology Partnerships** - Seamlessly integrates with trusted third-party industry-leading platforms and solutions to enhance safety, communication, and operational efficiency.
- **Convenient and Powerful Configuration and Maintenance** - IT and Facilities technicians can remotely access the system's web interface to configure, troubleshoot, and control the system from wherever, anytime.
- **Telephony – Integrated and Elevated** - E7000 easily integrates with virtually any VoIP service provider, IP-PBX, or analog phone system to create a seamless communications platform.

## NYQUIST SYSTEM CONTROLLER

Bogen's Nyquist System Controller offers a cost-effective means to deploy E7000 using a purpose-built processing platform pre-installed with the E7000 application server software. Alternatively, a dealer or school-furnished custom-built server can be used. When required, the System Controller can be configured for optional Automatic Failover to a secondary System Controller for enhanced system robustness.

**NYQUIST** The E7000 Series is built upon Bogen's award-winning Nyquist software-based IP communications platform, which provides users with unparalleled flexibility and scalability, whatever their application.