

The **Bogen C4000 Series** is a software-based solution for commercial paging and audio distribution applications that can be scaled to support a virtually unlimited number of audio sources, endpoints, and zones. System features, software platform, and configuration can be easily upgraded over time to address ever-changing customer needs, environments, and technology. Bogen's Nyquist team is continually innovating new features, appliances, and security enhancements to the C4000 solution. As such, a three (3) year subscription to all applicable product software updates is included with the purchase of a Nyquist C4000 system ("C4000"), with subsequent three year Software Update Subscription (SUS) extensions available.

For more information visit:

<https://www.bogen.com/c4000-software-update-subscriptions>

Nyquist C4000 Innovation Timelines



1.0 FEATURE HIGHLIGHTS

- **Wizard-based System Setup and Configuration** for deploying systems using the Nyquist System Controller
- **Pro-Audio Digital Signal Processing (DSP)** embedded in all Nyquist Networked Audio Power Amplifiers, as well as the Matrix Mixer Pre-Amp
- **Map-based Paging and Intercom User Interface** with hierarchical drill-down views
- **Station and Appliance Supervision** with email notifications and dashboard alerts
- **User-definable Routines** that allow automatic launching of a procedure—or sequence of actions based on a wide variety of triggers to help businesses address: Facility Lockdowns, Severe Weather Events, Fire Drills, Evacuation Procedures, Automated Notifications

2.0 FEATURE HIGHLIGHTS

- **Emergency Location Check-In** with map-based audio/ video room monitoring
- **Alerts** Functionality that displays both weather and nonweather-related Emergency Alert System events from the National Weather Service on video displays connected to NQ-GA10PVs
- **Enhanced SIP Trunk Management**, including expanded IP-PBX connection access
- **Emergency Check-In** allows staff and employees to report their check-in status from their offices/work areas during an emergency

3.0 FEATURE HIGHLIGHTS

- **Enterprise-Wide Schedule Management** from a single interface allows administrators to remotely control what bell/event schedule is running at any facility throughout their network
- **Multi-Facility Paging/Announcements** enables live or prerecorded communications across an entire enterprise for emergency or standard messaging
- **Automatic Failover Capability** (Server) reduces the loss-of-communications risk due to a single point-of-failure
- **Enhanced Routines/Routines API** includes the addition of many new event triggers and actions, in addition to enhanced security via encryption, SSL certificates and strong API keys

4.0 FEATURE HIGHLIGHTS

- **72-Hour Backup Tone Schedule** activated upon Nyquist server failure or Network failure
- **Backup Paging** via the Nyquist T1100 Admin Phones upon Nyquist server failure
- **Intercom Calls** now have the ability to route to PBXbased Admin Extensions via a SIP Trunk
- **Routine Actions** can now be Conditionally executed based on user-supplied Conditional specification.
- **National Weather Service (NWS)** alerts can now be announced to specified Zones, and the alert text can now be displayed via both the Nyquist Dashboard and NQT1100 Admin Phones.

5.0 FEATURE HIGHLIGHTS

- **Sound Masking S/W Feature option** – Enable sound masking in business environments for more private conversations, and less distraction from surrounding conversations
- **Microsoft Active Directory and LDAP Support** - Allows Nyquist users' login credentials to be centrally managed by IT – just like they do for all their other enterprise applications
- **iOS and iPadOS support** - Allows full system operation via the Nyquist UI Dashboard for bell/event scheduling, emergency paging, all call paging, zone paging, audio distribution, along with all the other powerful Dashboard capabilities

6.0 FEATURE HIGHLIGHTS

- **Debian 11 System OS Upgrade** - allows security conscious customers to keep the system OS up to date with the latest security patches
- **Simplified Configuration** - DHCP configuration added to the setup wizards, along with Nyquist Appliance Discovery and a new Network Settings Configuration Wizard
- **Automated User Logout for Enhanced Security**
- **New NWS Routine Trigger Filters** - Users can now set NWS triggers by Event Type & Severity
- **Support for new Combo Clock / Messaging / Wall Baffle Speaker**
- **Remote Facility Status (via Routines)** - Send a notification email or any other Routines action when a remote facility comes back up

Benefits of C4000 Software Update Subscription (SUS) Plans

1. **Access to Powerful New Features.** Each new release provides users with new feature capabilities that not only enhance the power and performance of the system, but also help protect against technical obsolescence.
2. **Bug Fixes.** These help to ensure that your system is operating at peak performance 24/7—especially during emergencies.
3. **New Device Support.** This allows users to deploy the newest Nyquist appliances to further expand their system's functionality.
4. **Important Security Updates.** Maintaining system security is important - especially in a networked environment, where staying on top of security updates helps prevent hacking, viruses, and malware.
5. **Avoid Lapsed Coverage (“Catch-up”) Fees.** Avert expired subscriptions when updating your system becomes imperative due to evolving school safety initiatives.