

A one (1) year subscription to all applicable product software updates is included with the purchase of a Nyquist E7000 system ("E7000"). Bogen also offers extended Software Update Subscription ("SUS") plans in increments of one, three, five, and fifteen years. Bogen's Nyquist team is continually and rapidly innovating new features, appliances, and security enhancements to the E7000 solution.

For more information visit:

<https://www.bogen.com/e7000-software-update-subscriptions>

Nyquist E7000 Innovation Timelines



11.0 FEATURE HIGHLIGHTS

- **Expanded Device & Video Call Support** - Now supports the Double-sided Hallway Combo Display (NQ-DSC01), Remote Volume Control (NQ-VCTRL), VoIP Horn (NQ-IPHRN01), and the Zone Paging Mic Station (NQ-ZPMS-G2), including video calling between NQ-ZPMS-G2 phones.
- **Enhanced System Health Monitoring** - SMART monitoring for SSD drives on NQ-SYSCtrl improves hardware oversight with alerts sent to syslog and system status tools.
- **Broader SIP Platform Compatibility** - Seamlessly connect with RingCentral, Twilio, and Zoom through expanded SIP call support.
- **Routines API Enabled by Default** - The Routines API license is now standard for faster setup and immediate access.
- **Routines API v2 CAP Messaging Support** - Now supports incoming CAP messages for more advanced and responsive automation workflows.
- **Improved Installation & Commissioning Experience** - Built-in Nyquist Training Video links within the interface make setup and configuration easier than ever.
- **Advanced Call Security Enhancements** - Secure SIP (TLS 1.2) and SRTP for PBX SIP trunks provide stronger encryption and safer communications.

10.0 FEATURE HIGHLIGHTS

- **Debian 12** - In our ongoing effort to keep Nyquist as secure as possible we will be upgrading the Nyquist OS to Debian 12 with the 10.0 software. This allows our security-conscious customers to keep the System Controller OS up to date with security patches.
- **Secure SIP TLS and SRTP** - Securing the audio between all Nyquist Appliances and most third-party hardware

- **NWS Alerts** - This new interface provides a simplified mechanism for creating, configuring, and manipulating Routines to handle NWS alerts. This also provides more accurate location information with the introduction of latitude and longitude configuration.
- **API v2** - This new API version adds support for inbound POSTs with JSON files from 3rd party systems. This allows images and audio to be passed to Nyquist
- **Multiple NTP servers** - Allow customers to configure use of more than one NTP server

9.0 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**
- **ASB Device Level Supervision** - Station Supervision will now only send out one email notification per ASB instead of getting up to 24 notifications when an ASB goes offline
- **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

8.0 FEATURE HIGHLIGHTS

- **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

Benefits of E7000 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.** For expired subscriptions when updating your system becomes imperative due to evolving school safety initiatives.

- **Multi-facility Announcement Routine Action** - Users can select one, multiple, or all facilities in which to play an announcement
- **NQ-ZPMS Zone Paging Mic Station support** - Hands-free paging via attached, flexible gooseneck microphone, accompanied by 112-programmable softkey zone selection on large 10.1-inch touchscreen display
- **Copy Schedules** - Easily create new bell/event schedules from existing ones
- **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
- **Sound Masking S/W Feature option** - Enable sound masking in school libraries, study halls, or faculty office spaces for more private conversations, and less distraction from surrounding conversations

7.0 FEATURE HIGHLIGHTS

- **72-Hour Backup Bell Schedule** - Activated upon Nyquist server failure or Network failure
- **Backup Paging** - Enables via the Nyquist T1100 Admin Phones upon Nyquist server failure
- **Intercom Calls** - Now have the ability to route to PBX-based Admin Extensions via a SIP Trunk
- **Volume Level** - Changes can now be scheduled via Routines
- **Microsoft Edge** - Browser is now supported by the Nyquist Web Interface
- **Routine Actions** - Can now be Conditionally executed based on usersupplied 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 NQ-T1100 Admin Phones.

6.0 FEATURE HIGHLIGHTS

- **Enterprise-Wide Bell Schedule Management** - Allows administrators to remotely control bell schedule at any facility throughout their network
- **Multi-Facility Paging/Announcements** - Enables live or pre-recorded district-wide communications
- **Automatic Failover Capability** - (Server) reduces loss-of-communications risk
- **Routines/Routines API Enhancements** - Includes many new event actions, enhanced security via encryption, SSL certificates, and strong API keys
- **Display Graphic Images on GA10PV Displays** - Adds ability to combine graphic images with text
- **Embedded DHCP Server Option** - Allows install of a dedicated Nyquist network, simplifying discovery and setup of supported third-party devices

5.0 FEATURE HIGHLIGHTS

- **Enhanced routines capabilities** - Including multi-site routine execution (e.g., supports District-wide lockdown, etc.)
- **Routines API** - For enhanced integration with 3rd-party systems, such as security, access control, fire, and emergency management
- **Map-based audio/video room monitoring** - During an emergency check-in
- **Alerts functionality** - That displays both weather and non-weatherrelated Emergency Alert System events from the National Weather Service on video displays connected to NQ-GA10PVs

4.0 FEATURE HIGHLIGHTS

- **Emergency Classroom Check-In** - Allows staff to report their check in status for their assigned classrooms during an emergency using any intercom call switch or Nyquist VoIP phone
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- **NQ-GA10PV-Based Clock/Messaging Display** - Create different priority messages that will display on monitors connected to NQGA10PVs in a selected zone, multiple zones, or to specific NQ-GA10PV stations
- **User-Definable Routines** - This powerful new feature helps schools address: Lockdowns, Severe Weather Events, Fire Drills, Evacuation Procedures, Automated Notifications, and more

3.0 FEATURE HIGHLIGHTS

- **Nyquist System Controller (NQ-SYCTRL) pre-loaded** - With the OS and E7000 application software
- **Wizard-based System Setup and Configuration** - Via the NQ-SYCTRL
- **Support for Nyquist Two-Channel Networked Audio Amplifiers** - Available in 2x60W, 2x120W and 2x300W models
- **Pro-Audio Digital Signal Processing (DSP)** - Embedded in all Nyquist Networked Amplifiers and the NQ-P0100 Matrix Mixer Pre-Am

2.0 FEATURE HIGHLIGHTS

- **Map-based paging and intercom user interface** - With hierarchical drill-down views
- **Text-to-speech announcements**
- **Station and appliance supervision** - With email and dashboard alerts
- **Import and export of holiday schedules**
- **Appliance firmware automatically updates** - To match server software updates

1.0 FEATURE HIGHLIGHTS

- **Easy to install, expand and use**
- **Accessible** - Administrators, technicians, and other key users can access the system 24/7 on web-enabled devices - desktop or mobile - anywhere in the connected world
- **Scalable** - Easily add features, stations, and facilities with virtually unlimited scalability
- **Compatible with legacy intercom infrastructure** - Including re-use of existing analog speakers, call switches and cabling with use of the Analog Station Bridge appliance