



## NQ-SYSCTRL System Controller Installation and Use

The System Controller provides a cost-effective way to deploy Nyquist based solutions using a state-of-the-art processing platform pre-installed with the Nyquist application server software. The System Controller offers high-performance operation for even the largest Nyquist system configurations and can simultaneously distribute an unlimited number of audio streams anywhere across the network, making it perfect for background music applications.

The System Controller can manage applications that require any mix of multi-zone paging, intercom

calling, or background music distribution at businesses, restaurants, retail stores, industrial facilities, and many other venues. It has a web-based graphical user interface (GUI) that is accessible from almost any personal computer (PC), tablet, or mobile device.

The System Controller is designed to run on a 10/100 Ethernet network.

This equipment is not suitable for use in locations where children are likely to be present. Equipment is intended for use only in a restricted access area.

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**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

**Avertissement:** pour réduire le risque d'incendie ou de choc électrique, ne pas exposer cet appareil sous la pluie et l'humidité.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

L'appareil ne doit pas être exposé aux écoulements ou aux éclaboussures et aucun objet ne contenant de liquide, tel qu'un vase, ne doit être placé sur l'objet.

The mains plug is used as disconnect device. The mains plug of apparatus should not be obstructed OR should be easily accessed during intended use. To be completely disconnect the power input, the mains plug of apparatus shall be disconnected from the mains.

La prise du secteur est utilisé pour déconnecter le système. La prise du secteur ne doit pas être obstruée ou doit être facilement accessible pendant son utilisation. Pour être complètement déconnecté de l'alimentation d'entrée, la prise doit être débranchée du secteur.

When rack-mounted, allow 1RU spacing (1.75 inches) between units for proper ventilation.

*- Lorsqu'il est monté en rack, permettez l'espace de 1RU (1.75 pouces) entre les unités pour une ventilation adéquate.*

The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.

- il convient que l'aération ne soit pas gênée par l'obstruction des ouvertures d'aéra

No naked flame sources, such as lighted candles, should be placed on the apparatus.

- il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées

The use of apparatus in moderate climates.

- si l'appareil est destiné à être utilisé sous un climat tempéré.

## Important Safety Information

### WARNING:

To reduce the risk of fire or electric shock,

do not expose this apparatus to rain or moisture.


Always comply with the following basic safety precautions when installing and using the unit:


4

**CAUTION**

**RISK OF ELECTRIC SHOCK DO NOT OPEN**

**CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE ANY FRONT/BACK COVERS OR PANELS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.**

 The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
7. DO NOT defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade, or the third prong, are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
8. Protect the power cord from being walked on and/or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

9. Only use attachments/accessories that are specified by the manufacturer.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## Installation

The System Controller can be shelf, wall, or rack mounted.

1. Either place the System Controller appliance on a shelf, or use the supplied mounting ears to mount it on a wall. For rack mounting, use one of the available optional rack mount kits (NQ-RMK02, NQ-RMK03 or NQ-RMK04) as applicable.
2. Connect the device to the 10/100 network using a CAT5 type cable.

3. Connect the power cord to the back of the unit.
4. If connecting auxiliary devices, such as a keyboard, mouse, or video monitor, connect the devices' cables to the appropriate connectors on the back of the device.

If connecting a video monitor, make sure to use the HDMI video output as the Digital Video Interface (DVI) output is not supported. Use of the RS232 ports is also not supported.

5. Toggle the **Power** switch to the **On** position.

Once the System Controller is powered on and connected to the network, it can be accessed and configured via the device's web-based GUI. There are two IP addresses available to access the web-based GUI: 1) a default static IP (192.168.1.10) on Ethernet Port A and 2) Dynamic Host Configuration Protocol (DHCP) on Ethernet Port B.

**NOTE:** You must have a valid software license activation key to set up and configure the System Controller during its initial use.

## Viewing and Understanding the POWER LED



An LED labeled POWER appears on the front of the System Controller. This LED appears solid green when the device is powered on.

## Using the Reset Button

The Reset button reboots the System Controller and launches the logon screen.





# Compliance

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Limited Warranty, Exclusion of Certain Damages

The NQ-SYSCTRL is warranted to be free from defects in materials and workmanship for two (2) 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.

THE FOREGOING LIMITED WARRANTY IS BOGEN'S SOLE AND EXCLUSIVE WARRANTY AND THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY. BOGEN MAKES NO OTHER WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, AND ALL IMPLIED

WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED AND EXCLUDED TO THE MAXIMUM EXTENT ALLOWABLE BY LAW. Bogen's liability arising out of the manufacture, sale or supplying of products or their use or disposition, whether based upon warranty, contract, tort or otherwise, shall be limited to the price of the product. IN NO EVENT SHALL BOGEN BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, LOSS OF DATA OR LOSS OF USE DAMAGES) ARISING OUT OF THE MANUFACTURE, SALE OR SUPPLYING OF PRODUCTS, EVEN IF BOGEN HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSSES. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

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 items. 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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