



# **NQ-IPHRN01 Indoor/Outdoor IP Horn with Talkback**

## **Quick Installation Guide**

Specifications are subject to change.

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740-00229A 250708

**BOGEN®**

## Package Contents



NQ-IPHRN01 Indoor/  
Outdoor IP Horn



M10 Screws, Washers,  
and Wall Anchors



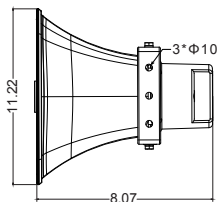
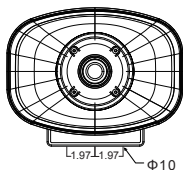
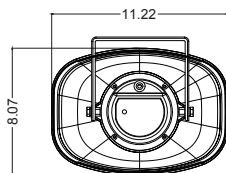
Quick Installation  
Guide

## Physical Specification

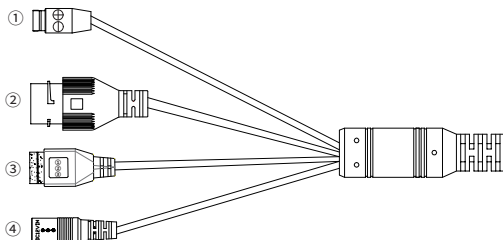
Size: 11.22" x 8.07" x 11.22" (285mm x 205mm x 285mm)





Weight: 4.2lbs (1.9kg)

### 1. Three-view drawings



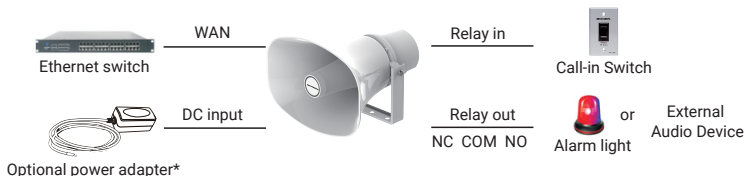
## 2. Wiring harness



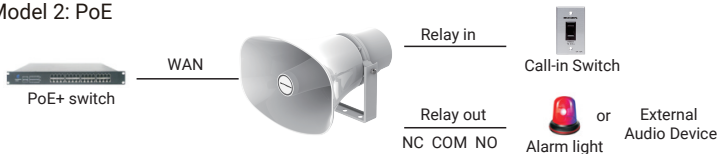
Serial number	Description	Interface
①	The short circuit input interface: input devices for connecting call-in switches.	 ⊕ S1 ○ GND
②	Ethernet interface: standard RJ45 interface, 10/100M adaptive, support PoE+ powered, it is recommended to use CAT5 or better network cable.	
③	The short circuit output interface: Can be enabled via Nyquist web interface station parameter "External Relay Trigger" to close the contact whenever audio is being received by the Nyquist server and played by the NQ-IPHRN01 speaker.	 ① NO ② COM ③ NC
④	Power interface: DC 24V/2A input.	

## 3. External device connection diagram

### Model 1: DC Power



### Model 2: PoE

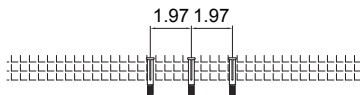


\*Optional power adapter or PoE+ power injector

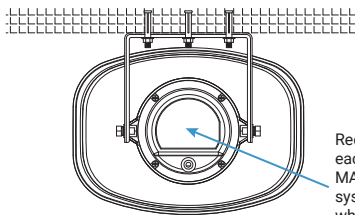
## Installation Diagram

A. Drill three mounting holes suitable for M10 screws and wall anchors on the wall first, and the distance between the holes is 1.97" (50mm).

Then install the M10 wall anchors.

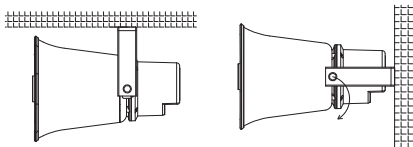


B. Align the holes on the product bracket with the pre-drilled holes on the wall and secure in place using the M10 screws and washers.



Record the MAC address for each IP Horn location. The MAC address is used by the system to identify the device when configuring the IP Horn.

C. Then adjust the required angle of the loudspeaker. Tighten the bolts holding the bracket to the horn as necessary to keep it in place.



D. Power on the device. If it works normally, the installation is complete.

## Horn Speaker Settings

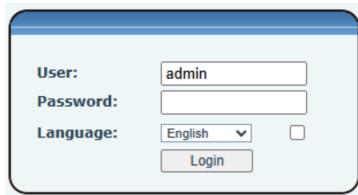
By default, the NQ-IPHRN01 is configured to use DHCP with Option 66. When using DHCP with Option 66, the horn will automatically receive an IP Address from the DHCP server and will automatically be configured by the Nyquist server specified by Option 66.

The following instructions are for configuring the NQ-IPHRN01 using a Static IP address.

**Step 1:** Log in to the web setting page of the horn speaker.

Input IP address of NQ-IPHRN01 (e.g. <http://172.18.26.3>) into the address bar of PC's web browser.

The default username and password are both admin.



User: admin

Password:

Language: English ☐

Login

**Step 2:** Configure IPv4 Settings

Select Network tab on left, select "Static IP", then enter: ETH IP, Subnet mask, Default gateway, Primary DNS Server, Secondary DNS Server.

Press "Apply" to save changes.

English | Logout (admin) | Keep Online

Basic | Service Port | VPN | Advanced

System

Network

Line

Settings

Call List

Function Key

Security

Device Log

Security Settings

Platform Access

**Network Mode**

Network Mode: IPv4 Only

**IPv4 Network Status**

ETH IP: 10.10.5.132  
 Wi-Fi IP: Disconnected  
 Subnet mask: 255.255.255.0  
 Default gateway: 10.10.5.2  
 MAC: 0c:38:3e:6f:28:38

**IPv4 Settings**

Static IP ☒ DHCP ☐ PPPoE ☐

ETH IP: 10.10.5.132  
 Subnet mask: 255.255.255.0  
 Default gateway: 10.10.5.2  
 Primary DNS Server: 8.8.8.8  
 Secondary DNS Server: 1.1.1.1  
 DNS Domain:

Apply

Figure: Network settings (Basic) – Using Static IP

If you're using the Nyquist DHCP server, or other DHCP server that supports Option 66 being set to the Nyquist server's IP address, you can select "DHCP" under IPv4 Settings:

English | Logout (admin) | Keep Online

Basic | Service Port | VPN | Advanced

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**Network Mode**

Network Mode: IPv4 Only

**IPv4 Network Status**

ETH IP: 10.10.5.132  
 Wi-Fi IP: Disconnected  
 Subnet mask: 255.255.255.0  
 Default gateway: 10.10.5.2  
 MAC: 0c:38:3e:6f:28:38

**IPv4 Settings**

Static IP ☐ DHCP ☒ PPPoE ☐

DHCP Hostname: NQ-IPHRN01-0C383E6F28  
 Enable Vendor Identifier: Disabled  
 Vendor Identifier: Bogen NQ-IPHRN01  
 DNS Server Configured by: DHCP  
 Primary DNS Server: 10.10.10.3  
 Secondary DNS Server: 8.8.8.8  
 DNS Domain:

Apply

Figure: Network settings (Basic) – Using DHCP

### Step 3: Configure Static Provisioning Server

1. Select System tab on left.
2. Select "Auto Provision".
3. Select "Static Provisioning Server".
4. Enter the following information:
  - Server Address: Nyquist server's IP address
  - Configuration File Name: IP Horn's MAC address  
Format: <MAC-Address>.cfg  
Example: 0c383e6f2838.cfg
  - Protocol Type: TFTP
  - Update Interval: 1
  - Update Mode: Update After Reboot
5. Press "Apply" to save changes.

The screenshot displays the 'Auto Provision' configuration page. The left sidebar shows the 'System' menu with options like Network, Line, Settings, Call List, Function Key, Security, Device Log, Security Settings, and Platform Access. The main content area is titled 'Auto Provision' and includes tabs for Information, Account, Configurations, Upgrade, Auto Provision, Tools, and Reboot. The 'Static Provisioning Server' section is expanded, showing the following fields:

- Server Address: 10.10.5.2
- Configuration File Name: 0c383e6f2838.cfg
- Protocol Type: TFTP (dropdown)
- Update Interval: 1 (0.01~2400)Hour(s)
- Update Mode: Update After Reboot (dropdown)

At the bottom of the page, there is an 'Apply' button.

Figure: Auto Provision settings – Static Provisioning Server

This device complies with Part 15 of FCC Rules.  
Operation is subject to the following two conditions:  
(1) this device may not cause harmful interference, and  
(2) this device must accept any interference received,  
including interference that may cause undesired operation.