



ETHERNET HOOTER

Technical Document v1.3

Model Series: NXG-EH100 Series

Nex-G Automation LLP

www.nexgautomation.com



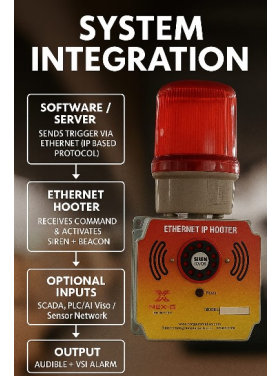
Make in India | ISO 9001:2015 Certified

www.nexgautomation.com

1. Introduction:

The Nex-G Ethernet Hooter Series (NXG-EH100) is a smart, IP-based industrial alert system that combines a powerful 105 dB siren or voice alarm with a bright revolving LED lamp for enhanced visual and audio signaling. Designed for use in factories, power plants, warehouses, and other industrial settings, it supports WiFi based configuration via smartphone browser for easy deployment.

The device is network triggerable via Ethernet using HTTP or TCP and is available in three variants, offering flexibility in power source and output type.



2. Electrical Specifications

Parameter	12V DC Variant	230V AC Variant
Input Voltage	12V $\pm$ 10% DC	230V $\pm$ 10% AC
Power Consumption	< 15W	< 20W
Relay Rating	5A @ 230V AC	5A @ 230V AC
Siren SPL	105 $\pm$ 5 dB @ 1m	105 $\pm$ 5 dB @ 1m
Voice Playback	MP3/WAV (15 files max)	MP3/WAV (15 files max)
Network Interface	Ethernet 10/100 Mbps	Ethernet 10/100 Mbps
Lamp Power	3W – High Bright LED	3W – High Bright LED



Make in India | ISO 9001:2015 Certified

www.nexgautomation.com

3. Key Features

Feature	Description
Audio Output	105 dB Siren or Voice Announcements (variant-dependent)
Visual Output	Bright Revolving LED Warning Lamp
Network Connectivity	10/100 Mbps Ethernet (RJ45)
Configuration Mode	Wi-Fi Access Point Mode (Smartphone/Web browser based)
Configurable Parameters	IP Address, Subnet Mask, Gateway, Siren Delay Time, Audio file Selection
Trigger Methods	HTTP GET/POST, TCP Command
Relay Output	Single Channel Relay (NO/NC) for external integration
Power Supply Options	12V DC or 230V AC (Model-dependent)
Enclosure	Industrial-grade IP65 ABS/Metal casing
Operating Temp.	-10°C to +60°C
Mounting	Wall or Pole Mountable
Web Interface Security	Password Protected Configuration Portal
Audio Storage	Up to 15 Pre-loaded Audio Files (MP3/WAV)
LED Indicator	Power Status LEDs

4. Variants

Model No.	Power	Audio	Relay	Lamp	Use Case
NXG-EH110D	12V DC	105 dB Siren	Yes	Yes	Battery/solar-powered panels or Power adapters
NXG-EH120AC	230V AC	105 dB Siren	Yes	Yes	General industrial use
NXG-EH130V	230V AC	Voice Announce	Yes	Yes	High-noise environments, customized messages

5. Applications

- Emergency Evacuation Alerts
- Fire or Smoke Detection Alarms
- Machine Fault Alarms
- Safety Warnings in Industrial Plants
- Shift Change Notifications
- IoT/SCADA-based Alert System

6. Device Configuration

Wi-Fi Access Point Mode

- Device broadcasts SSID: NXG_HOOTER_SETUP
- Connect via smartphone/laptop
- Access: http://192.168.4.1
- Configure:
 - IP Address / Subnet Mask / Gateway
 - Siren ON Delay (e.g., 0–99 sec)
 - Audio Selection (1 to 15)
- Save & reboot device



7. Operating Commands

#	Command	Description
1	http://<Device_IP>/HOOTER_ON	Hooter and Flasher ON
2	http://<Device_IP>/HOOTER_OFF	Hooter and Flasher OFF
3	http://<Device_IP>/RELAY_ON	Relay turn ON
4	http://<Device_IP>/RELAY_OFF	Relay turn OFF
5	http://<Device_IP>/ALL_ON	Hooter, Flasher and Relay ON
6	http://<Device_IP>/ALL_OFF	Hooter, Flasher and Relay OFF
7	http://<Device_ip>/TIMEOUT_CONFIG/<X_sec> Ex: http://x.x.x.1/TIMEOUT_CONFIG/10	Set the Relay & Hooter Time out

8. Mounting and Enclosure

Attribute	Description
Enclosure Material	ABS (DC model), Metal (AC models)
Ingress Protection	IP65
Mounting	Wall / Pole Mount
Dimensions (approx.)	320 x 160 x 90 mm
Weight	~500 grams

9. Ordering Information

Model	Description
NXG-EH110D	12V DC, Siren, Relay, Revolving Lamp
NXG-EH120AC	230V AC, Siren, Relay, Revolving Lamp
NXG-EH130V	230V AC, Voice Alert, Relay, Revolving Lamp

10. Features:

- IP Based connectivity.
- Protocol used HTTP
- Enabled with inbuilt Relay along with LED warning lamp and Hooter.
- Inbuilt WiFi for wireless configuration for IP, GATEWAY & SUBNET Mask configuration using Access point mode.
- Enabled with thermal isolation for the internal circuits.
- Dust proof



11. Warranty and Support

Warranty: 12 Months from the date of sale

AMC Plans: Available on request

Firmware Upgrade: Supported via USB or OTA (future)

Why Choose Nex-G?

- Designed & manufactured in India under "Make in India"
- In-house tested & validated for reliability
- Technical support available for integration
- Competitive pricing for OEMs & startups

Contact Us

Nex-G Automation LLP

6/1B/3, on the 1st floor, Unkal cross,

Opp Shiva Temple, Hubli – Dharwad Main road,

Hubli, Karnataka, INDA-580031

GSTIN: 29AAQFN4034P1ZI

 sales@nexgautomation.com

 www.nexgautomation.com

 +91 8904595334

Copyright © 2025 NEX-G Automation LLP. All rights reserved.



Make in India | ISO 9001:2015 Certified

www.nexgautomation.com