

GEN-3102A03

Network LED Clock



The GEN-3102A03 is a network LED clock unit with DC and PoE power options. It supports direct SIP or VMS calls, up to 20 multicast streams, and stores 20 audio files. It includes priority management, timers, and customizable events (via HTTP API) and can connect up to two external constant impedance speakers, ideal for schools.

SIP

Onvif

POE

Multicast



MAIN FEATURES

▲ LED dot matrix lighting technology

The GEN-3102A03 uses 20 8x8 LED dot matrix modules, providing uniform lighting and a viewing angle of up to 180°. It has a built-in high-precision RTC clock circuit that supports time synchronization via an NTP server. In standalone mode, it displays the time, and when connected to a server, it can function as an information terminal to display text messages.

▲ Local audio file storage and playback

The device has built-in storage that supports up to 20 audio files (total capacity of 80MB), which can play WAV and MP3 formats. It supports various playback modes, including scheduled playback, repeat, and interval playback, making it ideal for applications such as timed announcements and emergency broadcasts.

▲ Supports microphone attachment for call expansion.

The device is compatible with an optional microphone attachment (GEN-4101), and can be set up via the web page to preset a specific call target for one-touch dialing, making it ideal for classroom applications and similar environments.

SPECIFICATION

Power Parameters

Power Supply	DC24V PoE (IEEE802.3af/at)
Power Cons	≤3W

Audio & Interface Parameters

Power Output	2*30W (Use DC 24V) 2*7W (Use POE/POE+)
Frequency Response	100~20KHz
Audio Trans	Multicast , ×20(Editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio Input	×1, Line/Mic input(Balanced,Switchable)
Input Sensitivity	-10dB(Line) , -20dB(Mic)
Control Input	×2
Control Output	×1 ,Relay output/DC12V output switchable
Speaker interface	×2
Bluetooth Input	×1 ,2.4GHz
Audio Storage	Max 20 audio files ,80MB
Audio File Format	WAV, MP3

Network Parameters

Network I/F	100BASE-TX ,RJ45 Connector
Network Protocol	TCP/IP,UDP,HTTP,RTP,RTSP ARP,ICMP,NTP,SIP,ONVIF
Config Method	Web Interface or DevConfig Tool

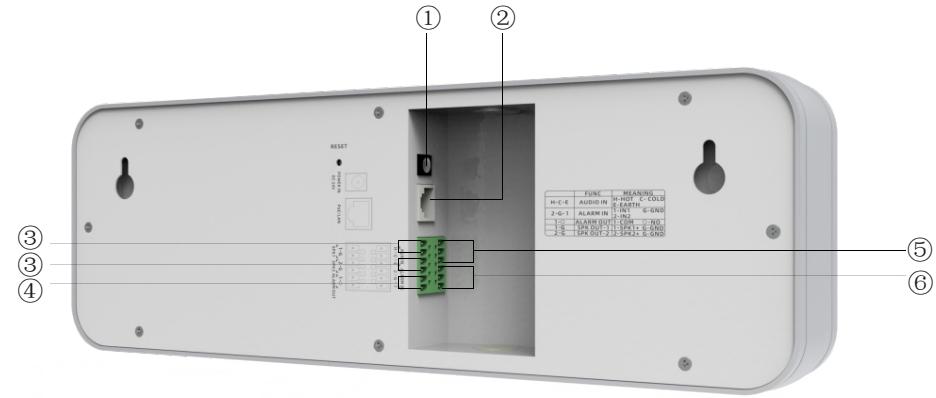
Mechanical & Environment Properties

Mounting Method	wall-mounted installation
Install Env	Indoor Locations
Working Temp	-10°C~+50°C
Housing Material	Sheet Metal,ABS
Color	White, black
Dimensions	366*123*55mm
Weight	1600g
Warranty	2 Years

ACCESSORIES

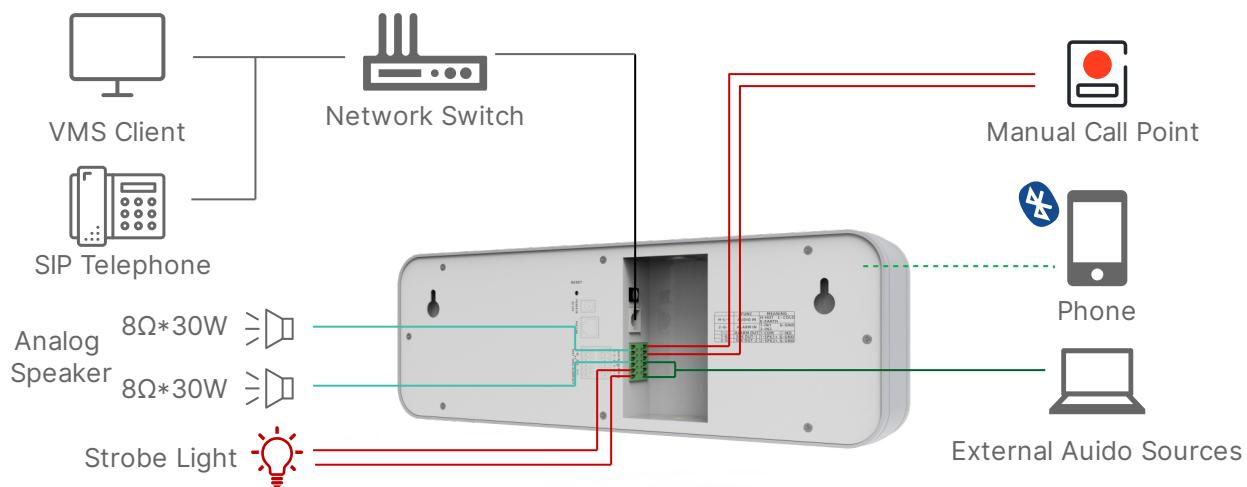
2×wiring Terminal(3.81-6P)
1 × Installation Manual

INTERFACE DESCRIPTION



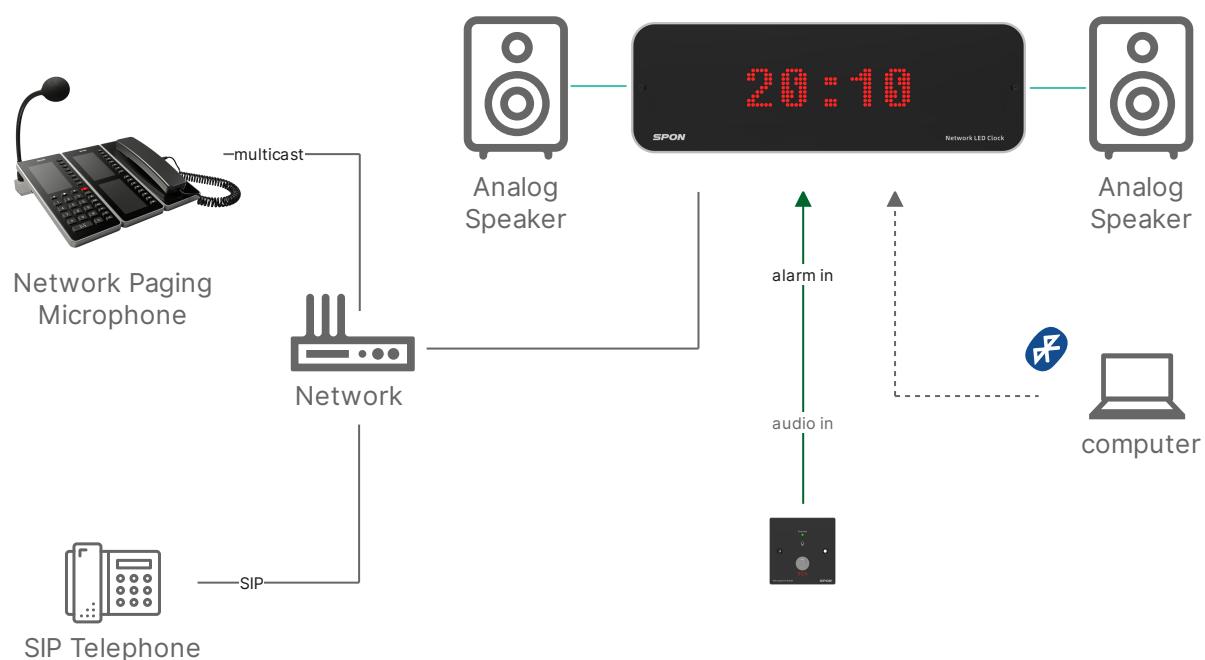
- ① Power Input
- ② RJ45 Connector
- ③ Speaker Output
- ④ Alarm Output Terminal
- ⑤ Alarm Input Terminal
- ⑥ Line/Mic Input Terminal

CONNECTION DIAGRAM



APPLICATION

The GEN3102A03 Network LED Clock supports direct calls from SIP or VMS platforms. It features a built-in 2*30W amplifier and can connect two 8Ω 30W speakers. The time is automatically displayed upon startup and can be synchronized with an NTP server. The device also supports external microphone attachments, preset call targets, and one-touch call initiation, making it ideal for school environments.



INSTALLATION

