XC-9508P50
IP Network Digital Amplifier

INTRODUCTION

SPON IP Network Digital Amplifier XC-9508P50 is an IP integrated amplifier that combines network audio transmission, power amplification, and multiple interface functions in one unit. It supports SIP audio communication, multiple audio codecs, and offline broadcasting. With a 1U rack-mount design, it is suitable for schools, shopping malls, office buildings, and various indoor public address applications.





SIP | Network Audio | 1U Rack

MAIN FEATURES

- **SIP Network Audio Communication:** Supports SIP audio communication and can be integrated into network public address systems for remote broadcasting and voice transmission.
- **Multiple Audio Codecs:** Supports MP3, PCM, ADPCM, G.711 A-Law, G.711 μ-Law, and G.729 for various audio applications.
- **Offline Broadcasting:** Supports offline broadcasting, allowing local broadcast tasks to continue even when the platform is disconnected or the network is abnormal.
- **Intelligent Temperature-Controlled Cooling:** Features intelligent temperature control and forced air cooling for improved operational stability.
- **Comprehensive Protection Design:** Provides over-current, short-circuit, overload, thermal, lightning, and surge protection for enhanced system safety and reliability.

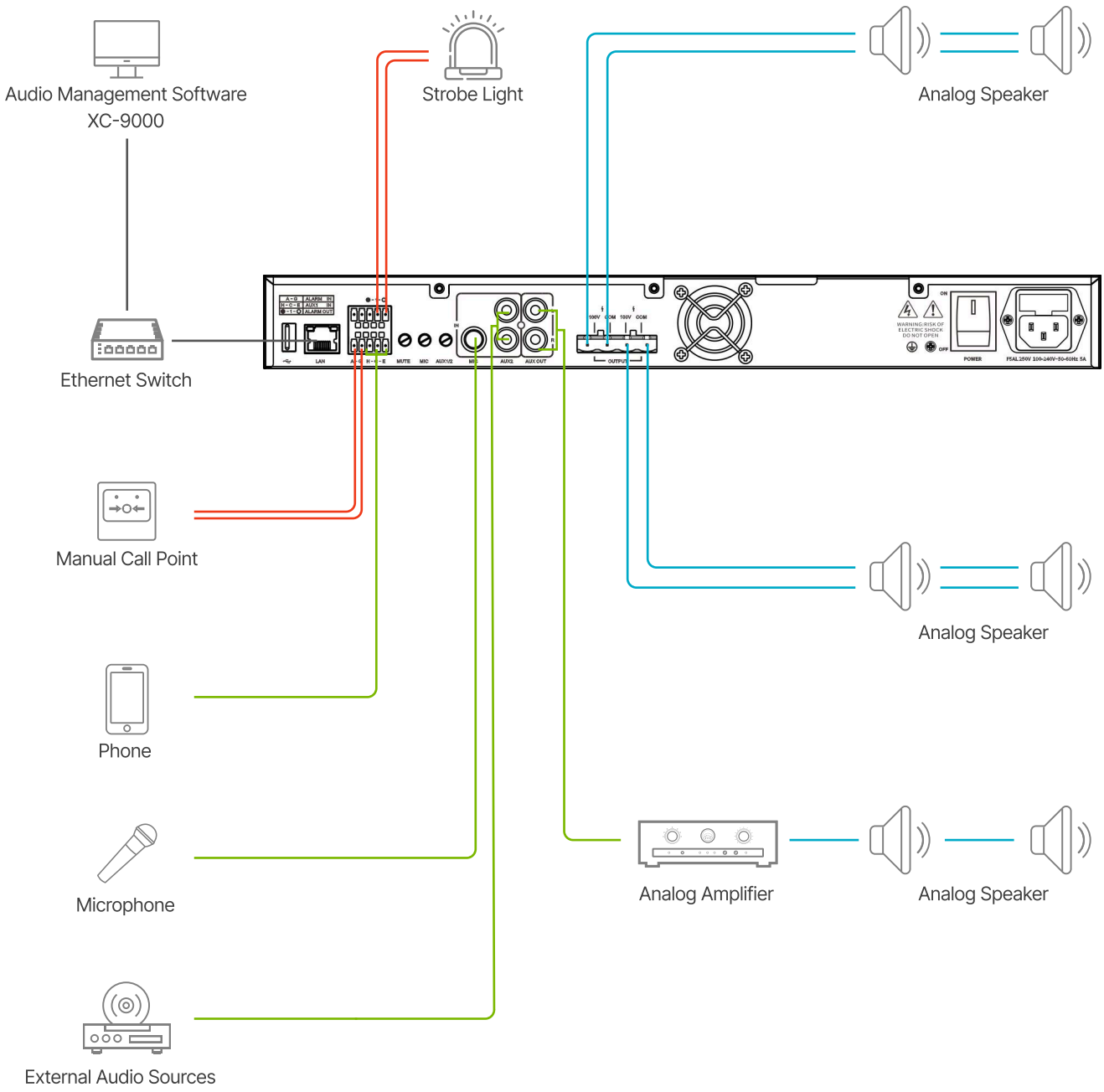
PARAMETERS:

Network Interface	10BASE-T/100BASE-TX, RJ45 Connector
Network Protocols	SIP, FTP, HTTP, RTP, TCP/IP, UDP, ARP, ICMP, IGMP
Configuration	Web Interface or DevConfig Tool
Audio Codec	MP3, PCM, ADPCM, G.711 A-Law, G.711 μ-Law, G.729
SNR	⩾84dB
Audio Sampling Rate & Bit Rate	8kHz–44.1kHz, 16-bit, 8kbps–320kbps
THD	⩽0.5% at 1kHz, 1/2 rated output
Frequency Response	130Hz–18kHz
Rated Output Power	500W
Power Supply	AC100V–240V, 50/60Hz
Power Consumption	⩽580W
Mounting	1U Rack-Mounted
Installation Environment	Dry Indoor Locations Only
Operating Temperature	-10°C to +45°C
Operating Humidity	⩽90% RH, Non-Condensing
Cooling	Intelligent Temperature Control, Forced Air Cooling
Protection	Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection, Lightning Protection, Surge Protection
Front Panel Material	Surface-Treated Steel Plate
Housing Material	Surface-Treated Steel Plate
Color	Black
Dimensions	440 × 300 × 44 mm
Package Dimensions	573 × 368 × 123 mm
Net Weight	3.5 kg
Warranty	2 years

ACCESSORIES:

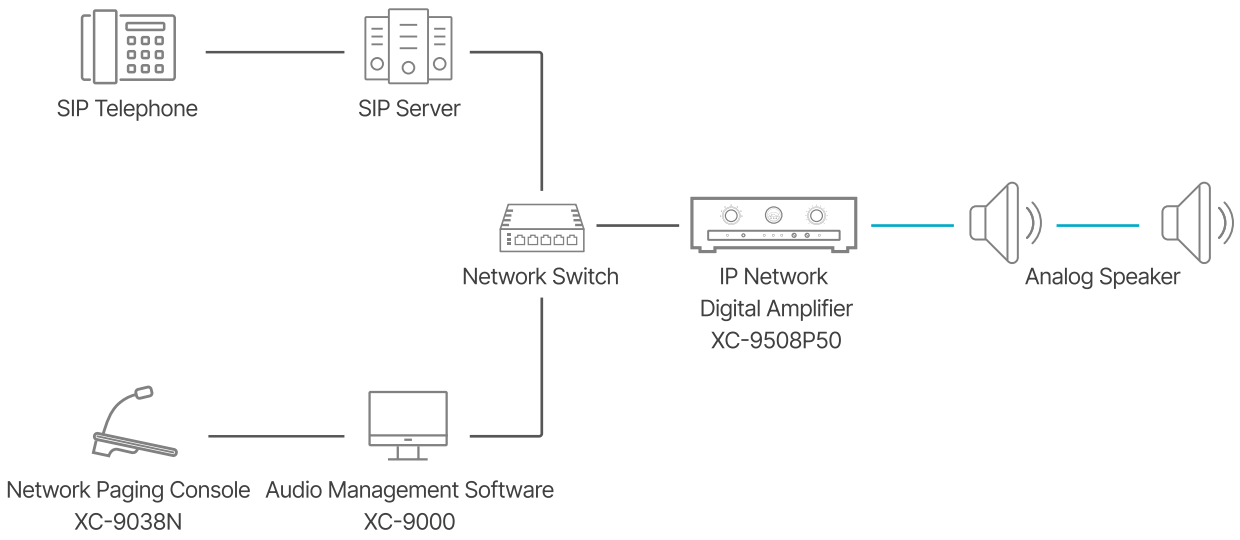
ACCESSORIES	1 × Power Cord (Optional) 8 × Countersunk Phillips Screw (M3×6) 4 × Foot Pad (Φ12×3mm) 2 × Wiring Terminal (3.81mm, 5-pin) 1 × Wiring Terminal (7.62mm, 4-pin) 2 × Hanger

CONNECTION DIAGRAM



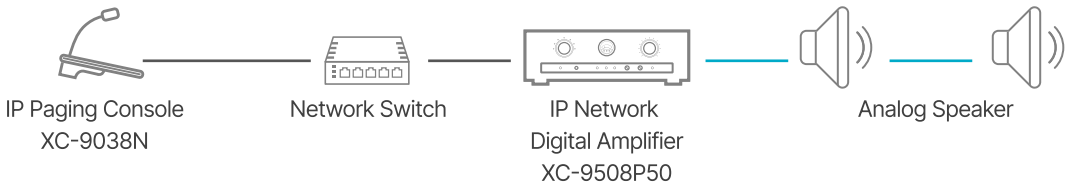
APPLICATION 1

The XC-9508P50 IP Network Digital Amplifier supports receiving scheduled broadcast from the XC-9000 and real-time paging broadcasts from the XC-9038N. In addition, it supports the SIP protocol and can independently register with a third-party SIP server to receive SIP calls from SIP Telephone.



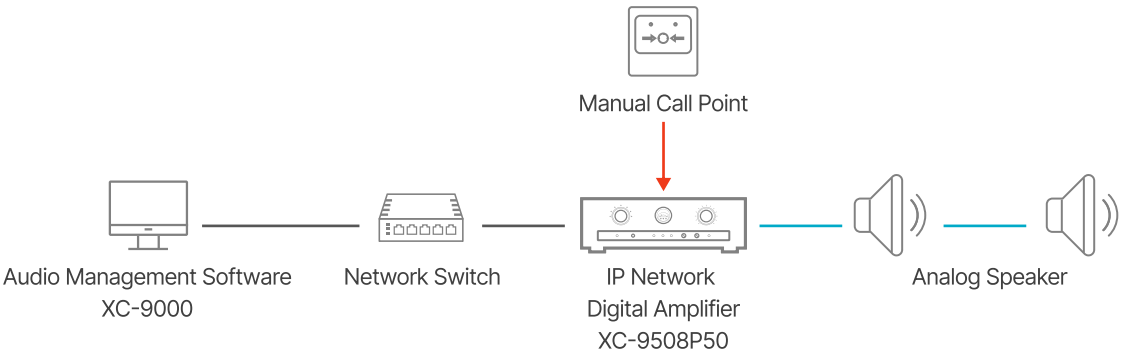
APPLICATION 2

The XC-9508P50 IP Network Digital Amplifier supports registration with the XC-9038N built-in server via the SPON proprietary protocol, enabling it to receive scheduled broadcasts from the server and paging broadcasts from the microphone.

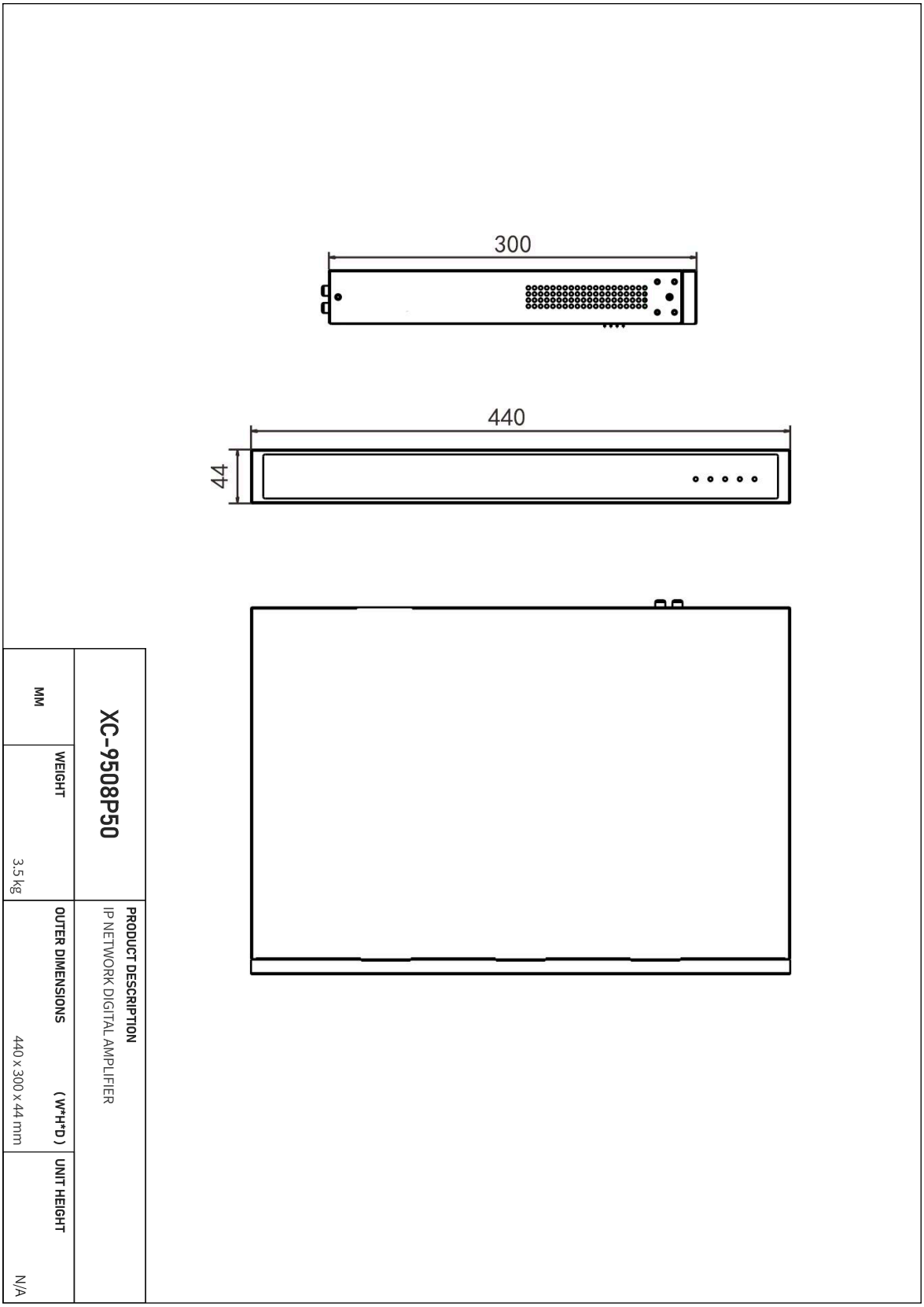


APPLICATION 3

The XC-9508P50 IP Network Digital Amplifier has a built-in FTP , which can store offline broadcast tasks pushed from the XC-9000 in the service area, enabling serverless scheduled playback. It is also equipped with an alarm input interface, which can receive external alarm signals to automatically play alarm files stored in the FTP.



DIMENSION


300
440
44
XC-9508P50
PRODUCT DESCRIPTION
IP NETWORK DIGITAL AMPLIFIER
OUTER DIMENSIONS (W*H*D)
440 x 300 x 44 mm
WEIGHT
3.5 kg
UNIT HEIGHT
N/A
MM