

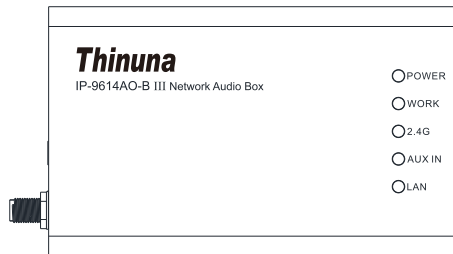
Operation Manual

IP Series network broadcasting system

IP-9614AO-B III

IP-9614AO III

Network audio box



Thinuna

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Welcome


A personal welcome to you from the management and employees of Thinuna global.

Thanks you for choosing our high quality product, we will always provide innovative, advanced, reliable products like before.


We are sincerely trust these products will provide years of satisfactory service, but if anything is not to your complete satisfaction, we will endeavor to make things right.

Welcome to Thinuna again, and thank you for becoming part of our worldwide extended family!


Warning




CAUTION
RISK OF ELECTRIC SHOCK DON'T OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



This symbol 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.



This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution: To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Attentions: Pour prévenir les chocs électriques ne pas utiliser cette fiche polarisée avec un prolongateur, une prise de courant on une autre sortie de courant, sauf si les lames peuvent être insérées à fond sans en laisser aucune partie à découvert.

* For the terminals marked with symbol of " " may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.
*The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
* The appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.
* Protective earthing terminal. The apparatus should be connected to a mains socket outlet with a protective earthing connection.
* Increase the minimum distance of the prototype to the surrounding environment.
* no naked flame sources, such as lighted candles, should be placed on the apparatus;
* The use of apparatus in tropical climates.
* The use of apparatus in moderate climates.

* Do not install this equipment in a confined space such as a book case or similar unit.
* The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
* Worded: "WARNING FOR YOUR PROTECTION PLEASE READ THE FOLLOWING-WATER AND MOISTURE: Unit should not be used near water(e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc). Care should be taken so than objects do not fall and liquids are not spilled into the enclosure through openings."

Service Instructions
* Worded: "Caution: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so."
* Location: Instruction Manual.

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.

Installation Environment

Installation this system is not difficult and complex. But you still need to spend some time to read this manual and ensure the connection and installation is exact.

Never place this product in an environment which could alter its performance or reduce its service life. Such environments usually include high levels of heat, dust, moisture, and vibration.

Important Safety Instructions



1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. 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.

- Avoid excessive heat, humidity, dust and vibration

Keep the unit away from locations where it is likely to be exposed to high temperatures or humidity-such as near radiators, stoves, etc. Also avoid locations which are subject to excessive dust accumulation, or to vibration that could cause mechanical damage.

- Avoid physical shocks

Strong physical shocks to the unit may cause damage. Handle the unit with care.

- Do not open the case or attempt repairs or modifications yourself

This product contains no user-serviceable parts. Refer all maintenance to qualified Thinuna service personnel. Opening the case and/or tampering with internal circuitry voids the warranty.

- Always power off before making connections

Always turn the AC mains OFF before connecting or disconnecting cables. This is important to prevent damage to the unit itself as well as other connected equipment.

- Handle cables carefully

Always plug and unplug cables (including the AC mains power cord) by gripping the connector, not the cord.

- Clear with a soft dry cloth

Never use solvents such as benzene or paint thinner to clean the unit. Wipe clean with a soft, dry cloth.

Features:

The network audio box is a small network audio terminal decoding device with a built-in 2*15W constant impedance power amplifier. It can accept the access and control from server and other IP network devices, and can play the audio source of the server. It has the function of local LINE and MIC mixing input, 2.4g wireless microphone input, and output control of different audio sources on the same channel. Audio output priority order: server audio source>2.4G wireless microphone audio source>local MIC and LINE mixing audio source.

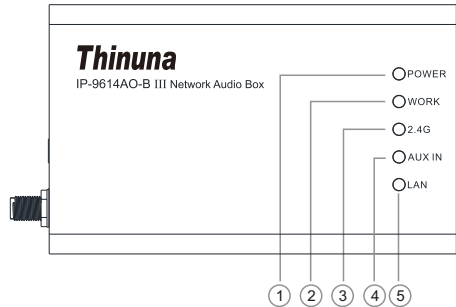
1. It comes with dual network ports, which can be accessed from any place with Ethernet ports, can play network audio, and can accept access and control from servers and other IP network devices.
2. Network fault self-diagnosis, network and service status display.
3. Powerful network audio playback function, which can be used independently in the network, and can directly play network audio signals from IP network servers and IP network acquisition terminals.
4. One local LINE input and one local MIC mixing input function.
5. Built-in 2*15W stereo digital power amplifier, the power amplifier has low heat, safe and reliable, suitable for long time work.
6. When there is no signal, it can automatically switch to the standby state, saving energy and environmental protection.
7. Work signal light indication.
8. One 2.4G wireless microphone input function.

(Note: Compared with IP-9614AO-B III, IP-9614AO III lacks 2.4G wireless microphone input function)

Accessory:

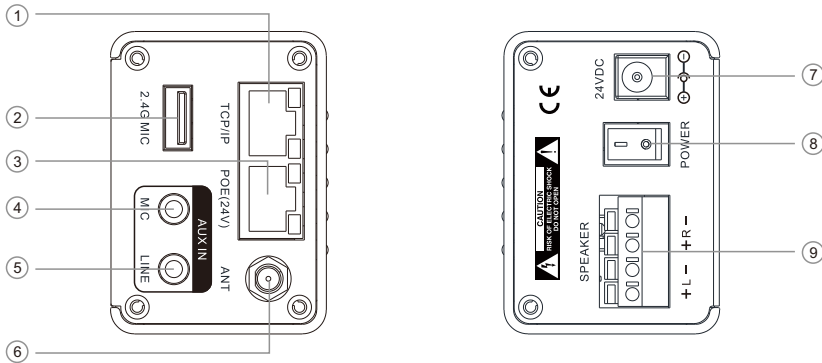
The product contains a 24V adapter for powering the product.

The Front Panel



1. POWER indicator light, when the device is powered on, the indicator light is always on; when the network location is turned on, the indicator light flashes at a fixed frequency.
2. WORK indicator light, when the device has audio output, the indicator light is always on.
3. 2.4G wireless microphone indicator light, when a 2.4G wireless microphone is connected to the device, the indicator light is always on; when the output is this sound source, the indicator light flashes at a fixed frequency.
4. AUX IN local signal input indicator. When there is a local LINE or local MIC signal input to the device, the indicator is always on; when the output is this audio source, the indicator flashes at a fixed frequency.
5. LAN network status indicator, when the local network is connected to the server normally, the indicator is always on; when the server audio source is input, the indicator flashes at a fixed frequency.

Left and right side panels



1. 10M/100M network port, used to connect to LAN, it is recommended that customers use standard network.
2. 2.4G wireless microphone input interface.
3. 10M/100M network port, used to connect to a local area network. It is recommended that customers use a standard network with POE 24VDC power supply function.
4. Local MIC audio source input, this interface is a 3.5mm small three-core interface.
5. Local LINE audio source input, this interface is 3.5mm small three-core interface.
6. Expandable antenna interface.
7. DC power interface, used to plug in 24V DC power.
8. Power switch button, control the 24V adapter power input to turn off.
9. Two-channel power amplifier output interface, used to connect speakers with a fixed impedance 8Ω output.

Parameters:

Model	IP-9614AO-B III
Network interface	2 standard RJ45, 10M/100M network ports (one of which supports POE 24VDC power supply), the network port comes with upgrade function.
Support protocols	TCP,UDP,IGMP,ICMP,ARP
Audio format	PCM(uncompressed format),ADPCM,MP3
Standby	Automatic standby for 3 minutes without signal
Restart recovery time of power and network disconnection	<1s
Network delay	File playback: less than 50ms, Real-time speech: less than 150ms, With automatic caching function
Transmission rate	10/100Mbps
Audio mode	Network data packet
Frequency response	20Hz~20KHz
THD	≤0.3%
SNR	>75dB
Local audio input interface	Local LINE input, local MIC input, 2.4Gwireless microphone input
Audio input priority	Server audio source>2.4G wireless microphone audio source>Local MIC and LINE mixing audio source
Line input signal level	1V LINE
Local MIC input	Balanced input, -40 dB ; 5V phantom power
Rated output	2*15W fixed resistance output
Operating temperature	-20°C ~ +60°C
Working humidity	10%~90%
Power consumption	≤40W
Input power supply	DC24V 2.5A

Service

Procedures

Ensure the problem is not related to operator error, or external system devices, Once it is certain that the problem is related to the product contact your warranty provider as described in the warranty section of this manual.

Variations

Variations of this product exist to reflect the variations in AC power requirements throughout the world. Product supplied through local sources are compatible with local AC power requirements 110VAC or 220VAC.

Optional accessory

This product do no have others optional accessory.

Warranty

Warranty terms and conditions vary by country and may not be the same for all products. Terms and conditions of warranty for a given product may be determined first by locating the appropriate country which the product was purchased in, then by locating the product type.

To obtain specific warranty information and available service locations contact Thinuna directly or the authorized distributor for your specific country or region.

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