Installation manual

IP remote control microphone

IP-101RM(0000.18EN.0000)

Thanks for your purchase of TOA products IP-1000 series.
Please read the manual carefully to ensure the machine operating in long time and fault-free.

1.Safety precaution

Please abide by the warning and the relevant safety tips.

Please place this manual in convenient place after you reading the guide for future reference.

Warning

⚡ **The sign means there is potential safety hazard, when operate wrong may result in death or serious injury.**

⚠ **The sign is used to remind the user that attached is the important operation and maintenance data.**

Setting and Installation

（1）Avoid getting the equipment wet.
（2）Do not use unspecified voltage.
（3）Do not scratch the power cord.

Using machine

（1）In case of the anomalies

Please turn off the power supply immediately when finding the abnormal phenomena, please contact with the agency. If you continue to using the equipment, it is likely to catch fire or result in electric shock.

·The smoke or smell of the machine.
·The inside of the machine is flooded by water or external intrusion.
·Machine falling or machine case damage.
·The power cord damage (wire core is exposed of broken, etc)
·Malfunction (e.g no network connection, no sound etc.)

（2）Do not open the machine internal or modify the machine.

Do not let external substance getting into the equipment.

Please do not put any metallic or inflammable objects into the machine, otherwise it may cause fire or electric shock.

（3）Please do not touch it during thundering.

To avoid electric shock, please do not touch the machine and the plug during lightning, etc.

（4）Please do not place containers with liquid or small metal objects on the machine above.

If containers drop, and liquid get into the machine that is likely catch fire or cause electric shock.

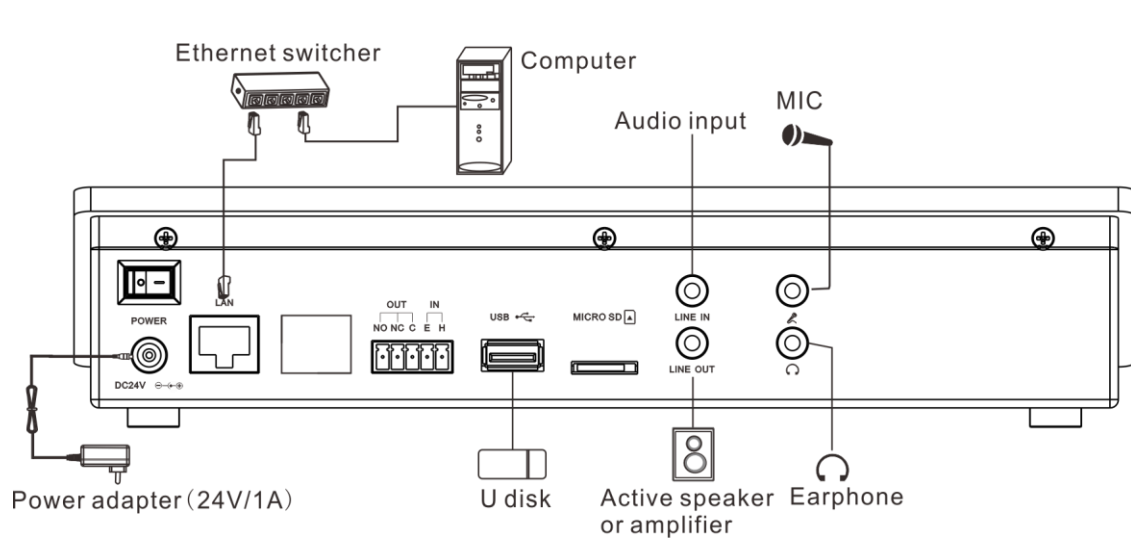（5）Do not open the machine internal or modify the machine.

The machine internal contains high voltage parts, once open the cover or modify the machine, it may result in fire or cause shock. All the maintenance and other machine modification should be operated by professional personnel.

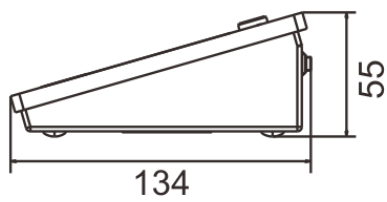（6）Maintenance and the precautions for not using in a long time.

While maintenance, if the machine is not used for 10 days or more, please turn off power supply switch for safety. If do not comply with this provision, it is likely cause electric shock or fire.
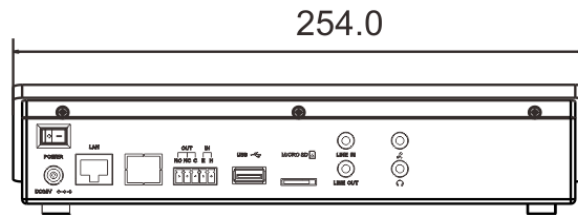
2.Wiring

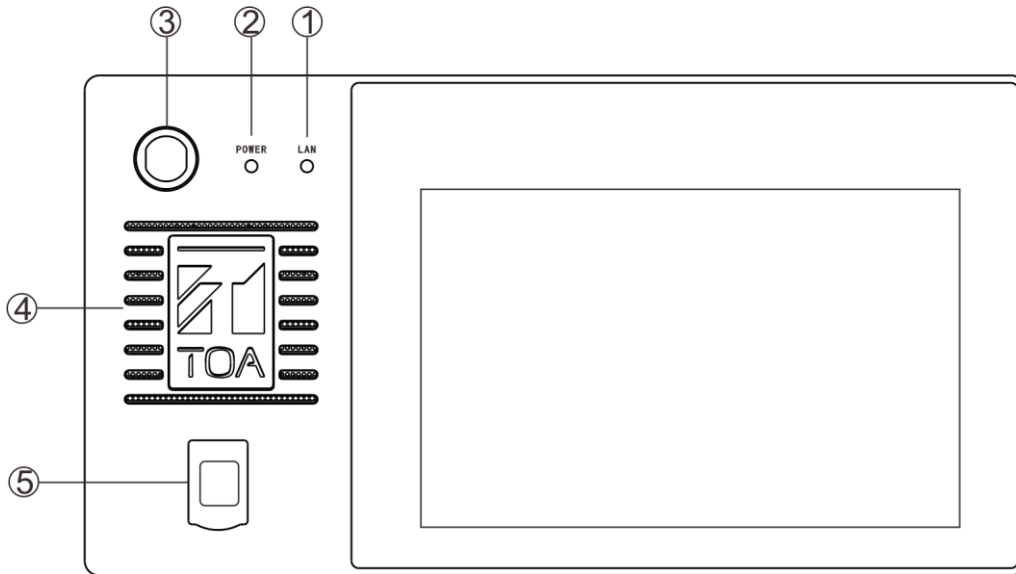## 2.1 IP-101RM wiring diagram

2.2 Reference dimension（Unit: mm）

Side view

Rear view
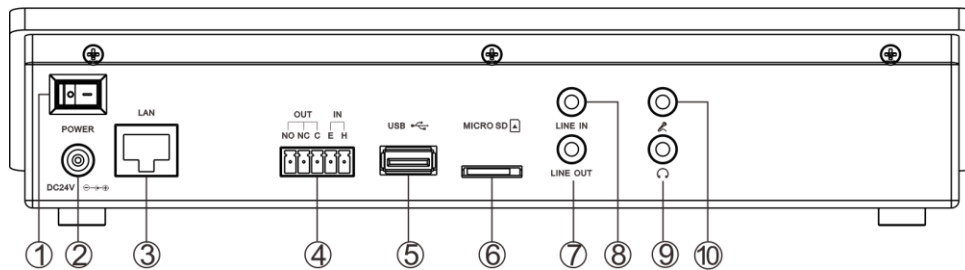
3. Appearance

Front view

①Network indicator light: indicator light slowly flashes during offline, indicator light is on during online.

②Power indicator light.

③Microphone pole socket: plug in the microphone.

④Loudspeaker: restore far-end and site voice.

⑤Emergency broadcast key: open the protection cover and press the emergency broadcast key to initiate all-zones broadcast within 3-5 seconds.

Rear view

①Power switch: pressing "O" for off, pressing "—"for on.

②Power input connector: connect power of 24V/1A.

③Network connector: insert cable to connect with switcher and the terminal can normally login server.

④Alarm input/output connector: it connect with other devices to realize the linkage control.

⑤USB connector

⑥TF connector

⑦Line output connector

⑧Line input connector

⑨Earphone output connector

⑩MIC input connector

4. Specification

4.1 IP remote control microphone IP-101RM(0000.18EN.0000)

Input power	DC24V/1A
Connector	Power input connector, Network connector, MIC input connector, Earphone output connector, Line in connector, Line out connector, Short-circuit input, Short-circuit output ,USB connector, Power switch, TF connector
Network I/F	10BASE-T/100BASE-TX,automatic determination
LED screen	7.0 inch ,800x480 resolution ,with touch screen
MIC input	Range: imbalance, 1Vrms Impedance @10kΩ
Earphone output	Imbalance,10mW@32Ω
Intercom loudspeaker	8Ω/3W
Networking protocol	ARP、UDP、TCP/IP、ICMP、IGMP、SIP
Audio sampling frequency	8K～44KHz
Working temperature	0℃~+40℃
Working　humidity	Less than 90%RH (no dew point)
Accessories	Plug-in wall power adapter（DC24V/1A）1pcs Wiring connector （3.5-5P）1pcs; Microphone pole (IM-320）1pcs

TOA Corporation