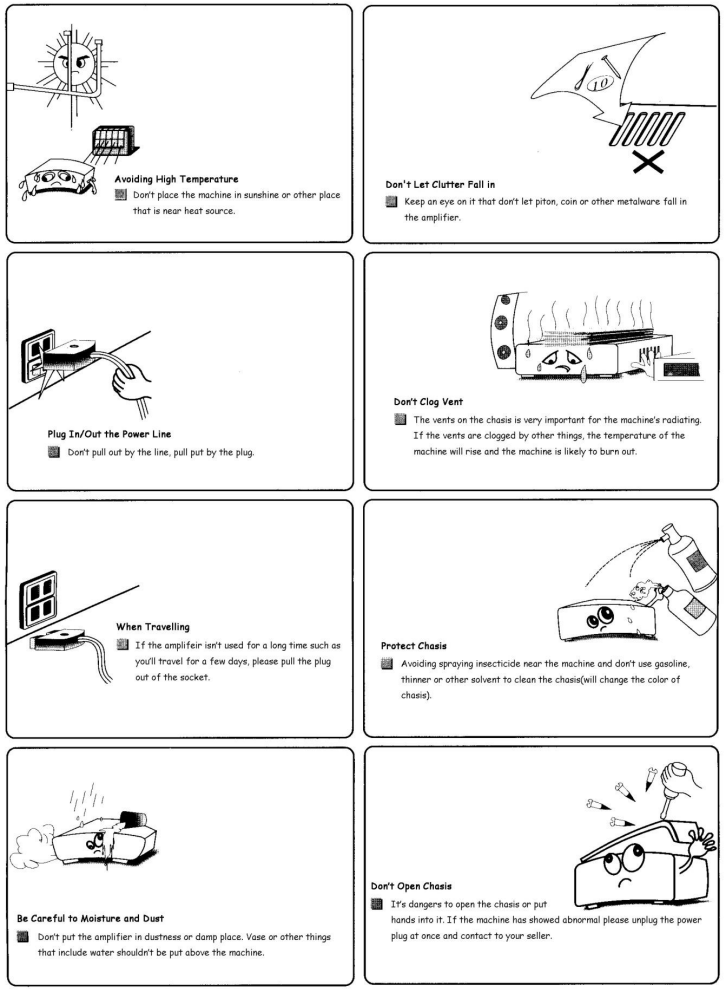
User Guide

Public Address Amplifier

Public Address System

Caution



Avoiding High Temperature

Don't place the machine in sunshine or other place that is near heat source.

Don't Let Clutter Fall in

Keep an eye on it that don't let piton, coin or other metalware fall in the amplifier.

Plug In/Out the Power Line

Don't pull out by the line, pull put by the plug.

Don't Clog Vent

The vents on the chasis is very important for the machine's radiating. If the vents are clogged by other things, the temperature of the machine will rise and the machine is likely to burn out.

When Travelling

If the amplifeir isn't used for a long time such as you'll travel for a few days, please pull the plug out of the socket.

Protect Chasis

Avoiding spraying insecticide near the machine and don't use gasoline, thinner or other solvent to clean the chasis(will change the color of chasis).

Be Careful to Moisture and Dust

Don't put the amplifier in dustness or damp place. Vase or other things that include water shouldn't be put above the machine.

Don't Open Chasis

It's dangers to open the chasis or put hands into it. If the machine has showed abnormal please unplug the power plug at once and contact to your seller.

Overview

Thank you for using our series of public address amplifier, please carefully read this user guide before any operation.

The product includes pre-amplifier so you can directly connect the sound source and play it! This series of amplifier has Main Outputs: 4-16ohm/70V/100V or 120V/240V, Zone outputs: 2/4/5/6/8/10 Zones with 100V or 240V, inputs: 2/3 Aux Inputs, 1/2 MIC Inputs, USB/SD, FM Radio, Bluetooth. Both of the inputs volume can be controlled individually.

Every amplifier has over-current protection, over-voltage protection, short-circuit protection, DC protection and Boot time delay etc fuction.

Service Regulations

1.Preparation

A. Check all the input interfaces and ensure all the interfaces are intact. The Interfaces includes 3 Auxiliary Input, 2 Microphone Input, USB Port, SD Port and FM, Bluetooth etc.

B. Ensure that the external load is less than the machine rated load，or the amplifier will not work normally.

C. Check the Grid that will be used, if the Grid seriously fluctuates or is over 240V then you need a AC Stabilified Voltage Power.

2.Start

A. Insert the power plug into an 220V 50Hz outlet.

B. Connect the Input Signal.

C. Connect the Load Speaker.

D.Turn on the power, and slowly turn up the volume, observe the Output Level LED and ensure the amplifier is not overloaded.

Caution

1. Although the machine has reliable short circuit protection, we suggest you to use carefully and avoid short circuit in order to increase the service life.

2. The machine should be moisture-proof packaged and make sure prevent vibration during handling.

3. If the amplifier is overloaded, please turn down the volume.

Front Panel

POWER SWITCH

1. Power Switch

Turn on/off the power of machine. The power indicator LED will glow when turning on the amplifier.

MIC1 VOL

2. MIC1 Volume Control Knob

Turn up/down the volume of MIC1. Twisting to left/right will turn down/up the volume.(If the amplifier is 2U or 3U height, then this MIC have priority function)

MIC2 VOL

3. MIC2 Volume Control Knob(Part)

Turn up/down the volume of MIC2. Twisting to left/right will turn down/up the volume.

MIC3 VOL

4. MIC3 Volume Control Knob(Part)

Turn up/down the volume of MIC3. Twisting to left/right will turn down/up the volume.

LINE1 VOL

5. Line1 Volume Control Knob

Turn up/down the volume of Line1. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

LINE2 VOL

6. Line2 Volume Control Knob(Part)

Turn up/down the volume of Line2. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

LINE3 VOL

7. Line3 Volume Control Knob(Part)

Turn up/down the volume of Line3. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

LINE2/USB VOL

8. Line2/USB Volume Control Knob(Part)

Turn up/down the volume of Line2 or USB which depends on the sound generator. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

LINE2/USB VOL

9. Line3/USB Volume Control Knob(Part)

Turn up/down the volume of Line3 or USB which depends on the sound generator. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

USB

10. USB/SD Volume Control Knob(Part)

Turn up/down the volume of USB/SD. Twisting to left/right will turn down/up the volume. Keep listening and adjust to avoid harsh noises.

CHIME

11. CHIME(Part)

When pressing this button will make MIC input the most priority. It will only play the MIC1 audio despite if there has other to play.

Parameter

KEY PARAMETER

Max Power		350w	500w	650w	700w	800w	1000w	1200w	1500w	2000w
Output Mode	Total	4-16Ω/70V/100V(110V)				120V/240V				
	2-8 Zones	100V(110V)				120V/240V				
Frequency Response		80Hz-18KHz±2dB								
Input Sensitivity		Mic:-52dB(10mv) Line:-10dB(400mv)								
Signal to Noise Ratio		≥80dB								
Record Output Level		-10dB								
Monitor Output Level		+4dB								
Rated Voltage		AC220V±10% 50Hz								

Parameter

KEY PARAMETER

		50w	60w	80w	100w	120w	150w	180w	200w	250w
Max Power	Total	4-16Ω/70V/100V(110V)								
Output Mode	2-8 Zones	100V(110V)								
Frequency Response		80Hz-18KHz±2dB								
Input Sensitivity		Mic:-52dB(10mv) Line:-10dB(400mv)								
Signal to Noise Ratio		≥80dB								
Record Output Level		-10dB								
Monitor Output Level		+4dB								
Rated Voltage		AC220V±10% 50Hz								

Front Panel

BASS

12. Bass Volume Control Knob(Part)
Turn up/down the volume of bass. Twisting to left/right will turn down/up the volume.

TREBLE

13. Treble Volume Control Knob(Part)
Turn up/down the volume of treble. Twisting to left/right will turn down/up the volume.

ZONE BUTTON

14. Zone Switch Buttons(Part)
Pressing each button will turn on the corresponding zone. Also having indicator LEDs for showing if the zones is on or off(The zone button num depends on the specific product, it can be 0,2,4,5,6,8,10).

ZONE KNOB

15. Zone Individually Control Knobs(Part)
Each knob has 5 level to control the volume of corresponding zone. Twisting to left/right will turn down/up the volume(The zone knob num depends on the specific product, it can be 0,2,4,5,6).

SCREEN

16. LED Screen(Part)
The screen shows some playing info which depends on the specific product.

USB

17. USB Port(Part)
Which can be inserted by U Disk. Within MP3 Player to play mp3/wmv file.

SD CARD

18. SD Card Port(Part)
Which can be inserted by SD Card. Within MP3 Player to play mp3/wmv file.

BLUETOOTH

19. Bluetooth(Part)
The amplifier can connect to mobile phone, computer or other machine that supports bluetooth.

FM RADIO

20. Bluetooth(Part)
Automaticly search audio station and play it.

IRC

21. Infra-red Remote Control(Part)
The amplfier can be controlled by a Infra-red remote controller.

POWER LED

22. Power Indicator LED
The LED will glow when opening the amplifier.

OUTPUT LED

23. Output Level Indicator LED
The LEDs indicate the output level, it grows from left to right. The right most LED(+4 red) shouldn't be long bright(Which means the amplifier is overloaded).

MIC INPUT

24. MIC Input
Connect to a microphone.

Front Panel

PLAY/PAUSE

25. PLAY/PAUSE SWITCH

Available in MP3 Player, press this button will pause the playing, press it again will replay the song played before.

PREV/VOL-

26. Prev Song/Vol-

Mp3 Mode: Click: Prev Song; Long Press: Turn down volume.
FM Mode: Click: Prev Audio Station; Long Press: Turn down volume.

NEXT/VOL+

27. Next Song/Vol+

Mp3 Mode: Click: Next Song; Long Press: Turn down volume.
FM Mode: Click: Next Audio Station; Long Press: Turn down volume.

MODE

28. Mode Switch

Each click on this button will change to the next mode:
U Disk >> SD Card >> Line >> FM Radio >> Bluetooth >> U Disk.

Back Panel

LINE INPUT

1. Line Input

RCA Jack for input signal, the standard signal level is -10dB. Every line Input has corresponding knob to control it's volume(The line num depends on the specific product, it can be 2 or 3).

LINE OUTPUT

2. Line Output(Part)

RCA Jack export signal, the output signal level is +3dB. It can be connect to next amplifier or monitor equipments.

MAIN OUTPUT

3. Main Output

Main power outputs that can be connected to speakers, the output have 3 modes: 70V constant output, 100V constant output or 4-16Ω output (which means it can be directly connected to 4-16Ω speakers).

MAIN&ZONE OUTPUT

4. Main Output & Zone Output(Part)

Main power outputs that can be connected to speakers, the output have 3 modes: 70V constant output, 100V constant output, 4-16Ω output. Also have 5 zone outputs.

ZONE OUTPUT

5. Zone Output

Zone power output that can be connected to speakers(Zone is designed for individually controlling speakers).

Back Panel

MAIN OUTPUT

6. Main Output

Main power outputs that can be connected to speakers, the output have 2 modes: 120V constant output or 120V constant output.

FM ANT

7. FM Antenna(Part)

FM antenna port that can be connected to antenna or electronic wire that is out of door.

FUSE

8. Fuse

It shields for voltage instability or other equipment trouble. The fuse will blew out when the machine overcurrent.

POWER LINE

9. Power Line

The power line is YJH-A standard(220V 50/60Hz).

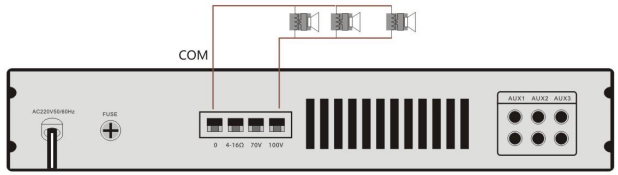
RC PORT

10. Remote Control Port(Part)

Included in some engineering machine(EVT). It's 6.35 port for 12V/24V NetWaker.

Connect and Operate

1. Please confirm the power supply voltage is in conformity with the machine.
2. Please turn off the power when connect input and output.
3. Please confirm the speaker load is in conformity with the machine.
4. Turn down the main volume when turn on the power.



The back panel in diagram is just for reference of connecting, the practical panel depends on the specific model.