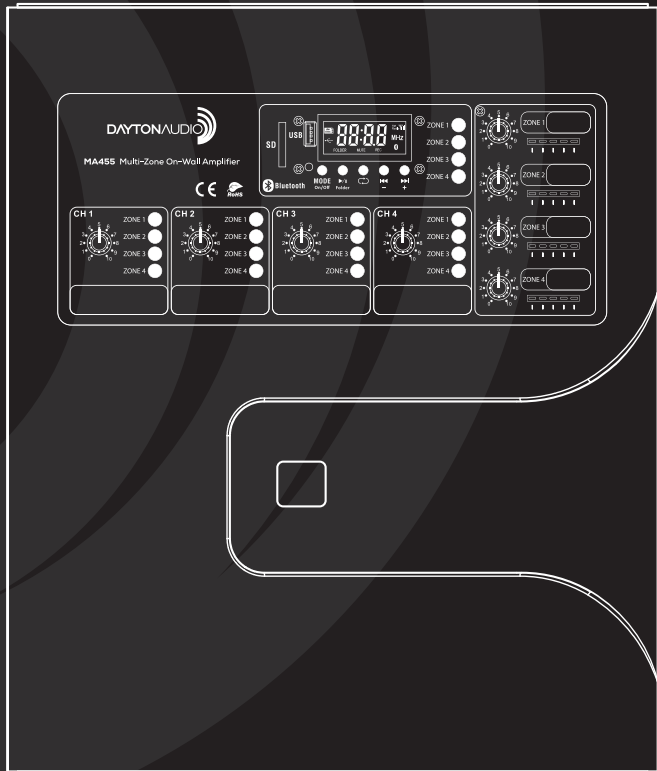DAYTONAUDIO

MULTI-ZONE ON-WALL 4 CHANNEL AMPLIFIER

Model: MA455   User Manual

Thank you *for purchasing the Dayton Audio® MA455 Multi-Zone On-Wall 4 Channel Amplifier.*

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions and keep them for future reference.
2. Carefully follow instructions and warnings.
3. Do not use this device near water.
4. Clean amplifier housing only with a dry cloth.
5. Do not block any of the ventilation openings.
6. Do not install near any sources (including amplifiers) that produce heat.
7. Do not remove power cable grounding plug.
8. Prevent the power cable from being stepped on or pinched.
9. Unplug this unit during lightning storms or if not in use for an extended period of time. This device can be plugged into a surge protector or power strip, but should NOT be plugged into a UPS (uninterruptible power supply).
10. Refer all servicing to qualified service personnel.

WARNING: To reduce the risk of fire or electric shock, do not expose device to moisture.
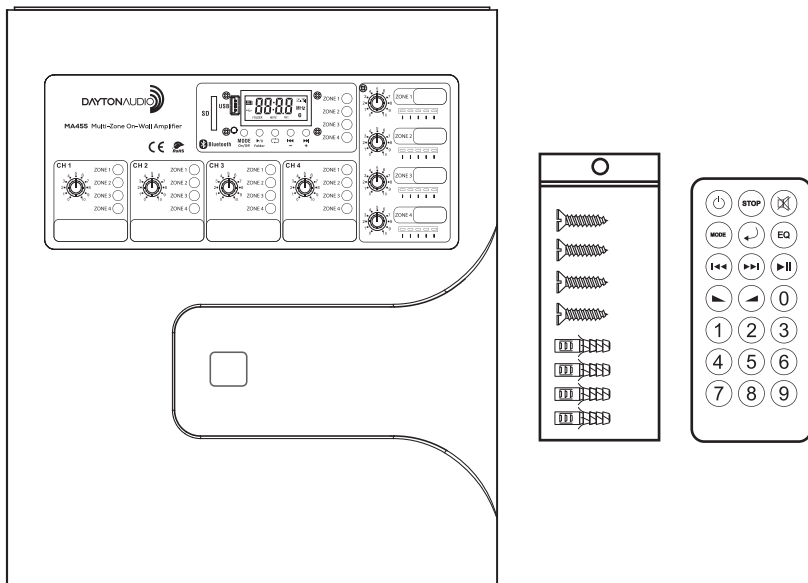
WARNING: Ensure there is at least two inches of clearance on all sides of the amplifier for proper ventilation.

Important Safety Instructions

To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel. To reduce the risk of fire and shock do not expose unit to rain or moisture. The unit should be connected to an earth grounded AC electrical socket. The unit should be operated in a well ventilated area. Minimum clearance is 2 inches.
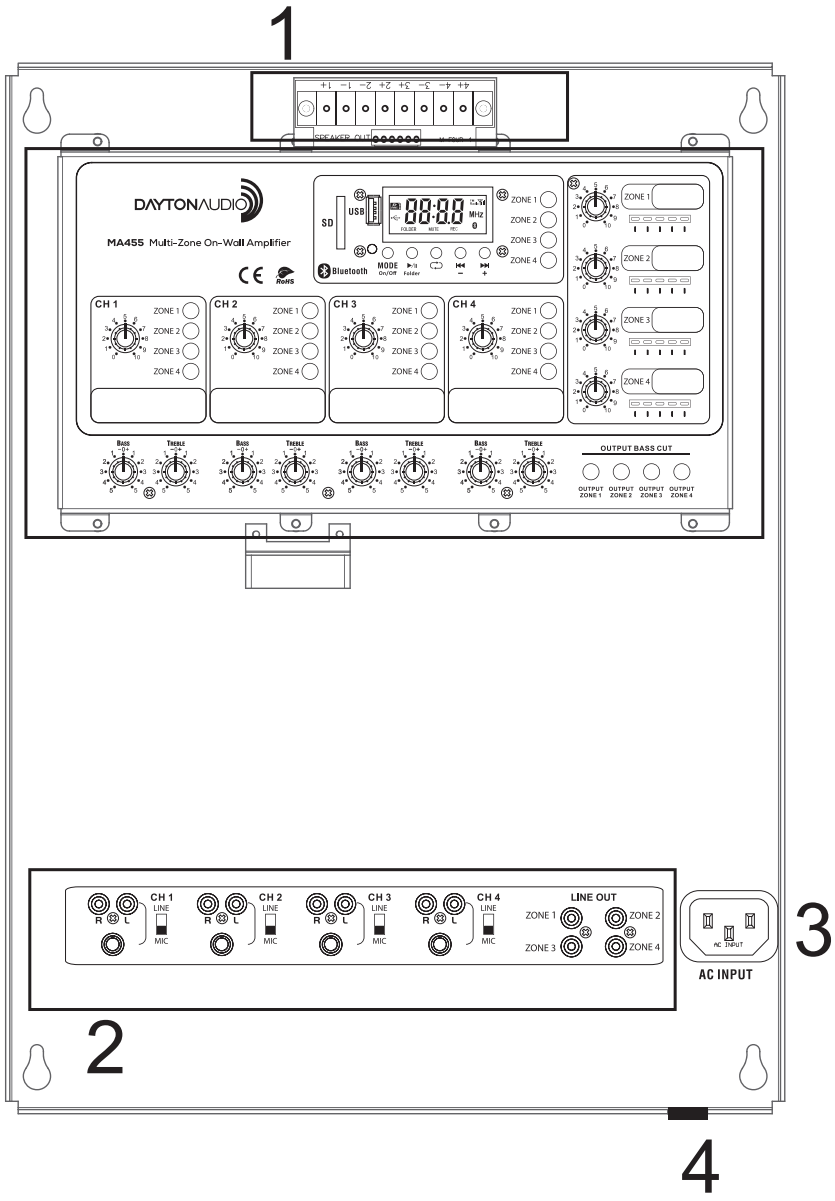
CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN
WARNING:SHOCK HAZARD-DO NOT OPEN.
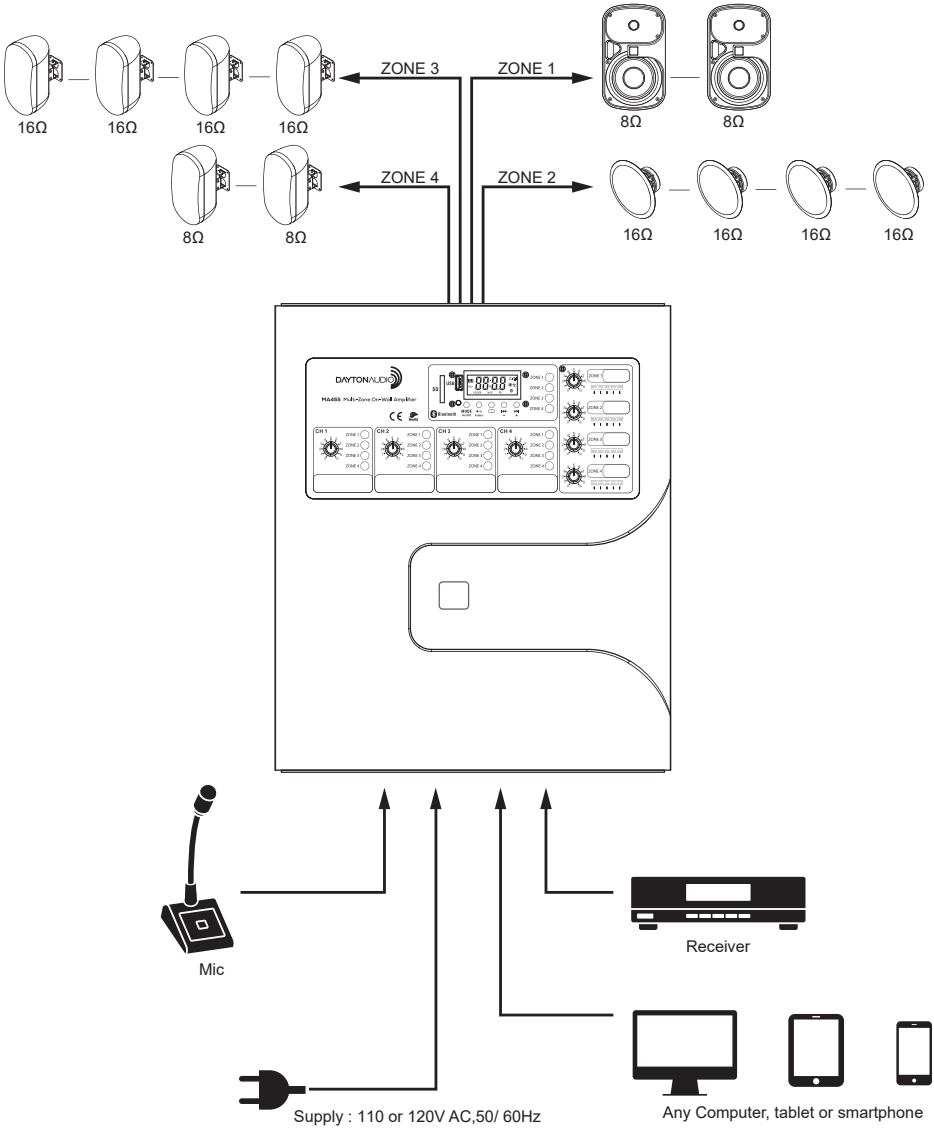AVIS:RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR.

PACKAGE CONTENTS

1 x Amplifier system
1 x Set of screws and accessories
1 x IR remote controller
1 x User manual

FEATURES AND CONNECTIONS

1. Speaker outputs connectors
2. IN/OUT connectors
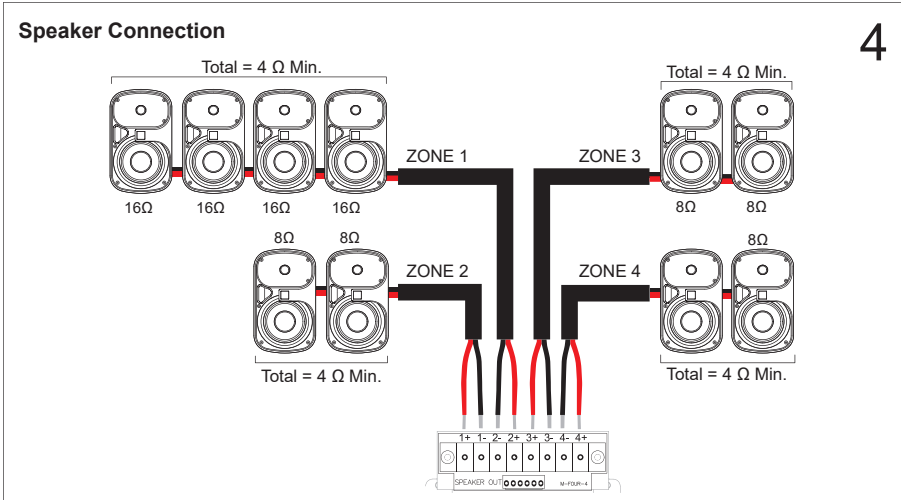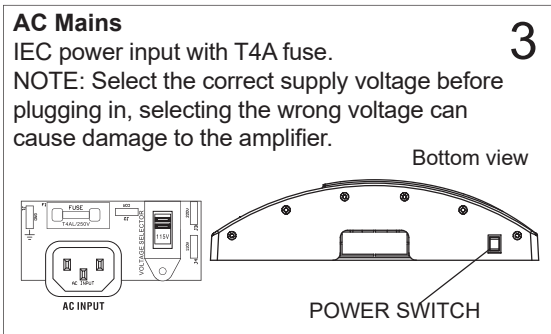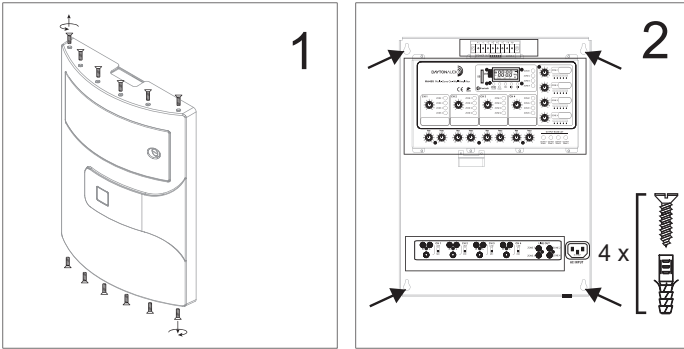3. IEC power input
4. Main power switch

APPLICATION

ZONE 3

ZONE 1

ZONE 4

ZONE 2

16Ω   16Ω   16Ω   16Ω

8Ω   8Ω

8Ω   8Ω

16Ω   16Ω   16Ω   16Ω

Mic

Receiver

Supply : 110 or 120V AC,50/ 60Hz
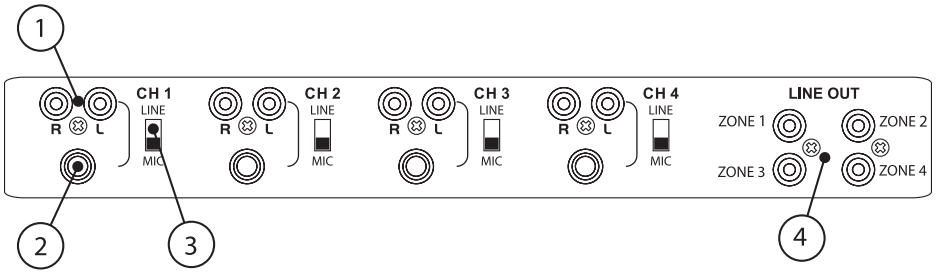
Any Computer, tablet or smartphone

INSTALLATION

This device should be exclusively installed by a professional. All connections and hard-ware adjustments are inside the device, not accessible by the end user. For installation, please follow the instructions below:

1. Remove front panel cover (6 screws on top and 6 screws at the bottom)
2. Mount device on wall using accessories supplied in the package
3. Connect mains. *CAUTION: Must be done by qualified personnel! Turn OFF power switch*
4. Connect speakers

AC Mains

IEC power input with T4A fuse.
NOTE: Select the correct supply voltage before plugging in, selecting the wrong voltage can cause damage to the amplifier.

Bottom view

AC INPUT

POWER SWITCH

Speaker Connection

Total = 4 Ω Min.

Total = 4 Ω Min.

ZONE 1   ZONE 3

16Ω 16Ω 16Ω 16Ω   8Ω   8Ω

8Ω   8Ω   8Ω

ZONE 2   ZONE 4

Total = 4 Ω Min.   Total = 4 Ω Min.
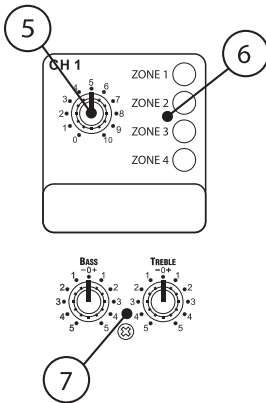
1+ 1- 2- 2+ 3+ 3- 4- 4+

SPEAKER OUT   M-FOUR-4

I/O Connections

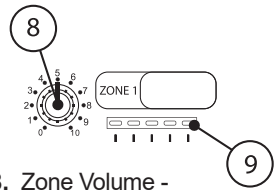The MA455 is designed to accept MIC level and LINE level on each channel.

1. RCA LINE level input
2. 1/4" Jack for LINE level input.
3. LINE/MIC level switch. Select the input used for this channel.
4. LINE OUT. LINE level RCA connector output. Independant for each channel, this output can be used to be connected to another amplifier if you need more output power.
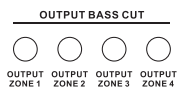
Channel Section

Zone Section

5. Channel Volume Rotary Knob - Independent volume control for each channel
6. ZONE Selection - Select the zone the channel is assigned to.You can select one or many zones.
7. Bass & Treble Controls - Independent bass and treble control for each channel. *NOTE: This adjustment is accessibe only by the installer, not the end user.*

8. Zone Volume - Independent zone output level adjustment.
9. Output Level Indicator - If led is fully lit, the output level is too high. Reduce output volume (8) or channel level (5). that the output level is too high. Reduce output level (8) or channel level (5).
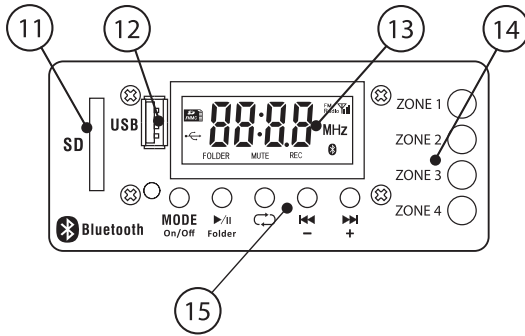
Output Bass-Cut Section

10. Bass-cut Switch - Cut bass lower than 80 Hz on the output signal. This is required when small size speakers are used with restricted bandpass.
NOTE: This adjustment is accessible only by the installer, not the end user.

Internal Media Module

11. SD MMC port compatible SDHC
12. USB port for USB device (USB stick or USB hard drive (FAT32))
13. Large backlite LCD display
14. ZONE buttons : Select the ZONE, the internal media source will playback the music.
 You can select one or several zones.
15. Function buttons:

MODE **On/Off**	Use this MODE button to select switch USB/SD or Bluetooth MODE. Long press on this button to turn ON/OFF the internal media source. If Bluetooth mode is selected, the Bluetooth logo will be displayed on LCD. The Media Player is waiting for pairing.
▶/II / Folder	Play/Pause button, is used for selecting your files folders from the USB/SD device. Long Press on this button to access to the Folder function. Then use the buttons ◀◀ or ▶▶ to move UP and Down in the folder, press Folder button to select the file.
⟳	Repeat button. Select your repeat MODE from «REPEAT ONE », «INTRO», «REPEAT ALL » and «RANDOM» function.
◀◀ –	SKIP Backward and internal media source Volume Down. Use this button to select your file into the folder, to change track or to access to internal volume by keeping the button pressed.
▶▶ +	SKIP Forward and internal media source Volume Up. Use this button to select your file into the folder, to change track or to access to internal volume by keeping the button pressed.

Remote Control

16. POWER: Powers the unit ON/OFF
17. STOP: Stops media playback
18. MUTE: Mutes media playback
19. REPEAT: Switch between Repeat one/all and Function folder
20. EQ: Switch between 7 EQ presets: Normal/Rock/Pop/ Classic/Jazz/Country/Bass
21. PLAY/PAUSE:
22. TRACK SELECT: Select track number to playback
23. VOLUME: Volume down (left), volume up (right)
24. SKIP: Play previous song (left), play next song (right)
25. MODE: Switch between USB/SD and Bluetooth mode

SPECIFICATIONS

Model	MA455
Amplifier type	Class AB
Power Output (RMS)	4 x 55W @ 4Ω (all channels driven)
Media Player	USB / SD / Bluetooth / FM radio
Frequency response	20-20,000 Hz
MIC input sensitivity	-35 dB
MIC input impedance	2 KΩ
LINE input sensitivity	-3 dB
LINE input impedance	20 KΩ
THD	<0.1% @ 1 kHz, 0 dB
MIC S/N ratio	<75 dB rated output
LINE S/N ratio	<80 dB rated output
Tone correction	+/- 12 dB
LINE output	+3 dB
Power supply	110 or 220 VAC, 50/60 Hz
Dimensions	18.7" H x 15.1" x 3.7" D
Weight	18.7 lbs.

5-Year Limited Warranty
See daytonaudio.com for details

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