Introduction: The M2000MKII includes a high-output compression driver, and 15" woofer that produces an even and smooth studio quality sound in a sound reinforcement speaker. Our design goal was to build a speaker with accurate playback, smooth dispersion of mid and high frequencies, and an ergonomic design for easy transport and setup. The result is a sound reinforcement system dynamic enough to use at home, in the studio, parties or in a home theater.

Features:

• 2-way Active Speaker
• 15" Long-throw woofer with high- temperature voice coil
• Ultra-wide, smooth dispersion of high and mid frequencies
• Mic/Line input and pass-thru connector
• USB & SD Card input supports .wav & MP3
• Bluetooth Compatible
• Includes FM Radio RX
• Stand/Pole-mountable

Cautions:

1. All Operating Instructions should be read before using this equipment.
2. To reduce the risk of electrical shock, do not open this unit. There are NO REPLACEABLE PARTS INSIDE. Please refer servicing to a qualified service technician.
3. Do not expose this unit to direct sunlight or to a heat source such as a radiator or stove.
4. This unit should only be cleaned with a damp cloth. Avoid solvents or other cleaning detergents.
5. When moving this equipment, it should be placed in its original carton and packaging. This will reduce the risk of damage during transit.
6. DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
7. DO NOT USE ANY SPRAY CLEANER OR LUBRICANT ON ANY CONTROLS OR SWITCHES
8. Make sure all of your equipment is completely OFF and lower ALL VOLUME, LEVEL & GAIN controls before connecting a sound source.
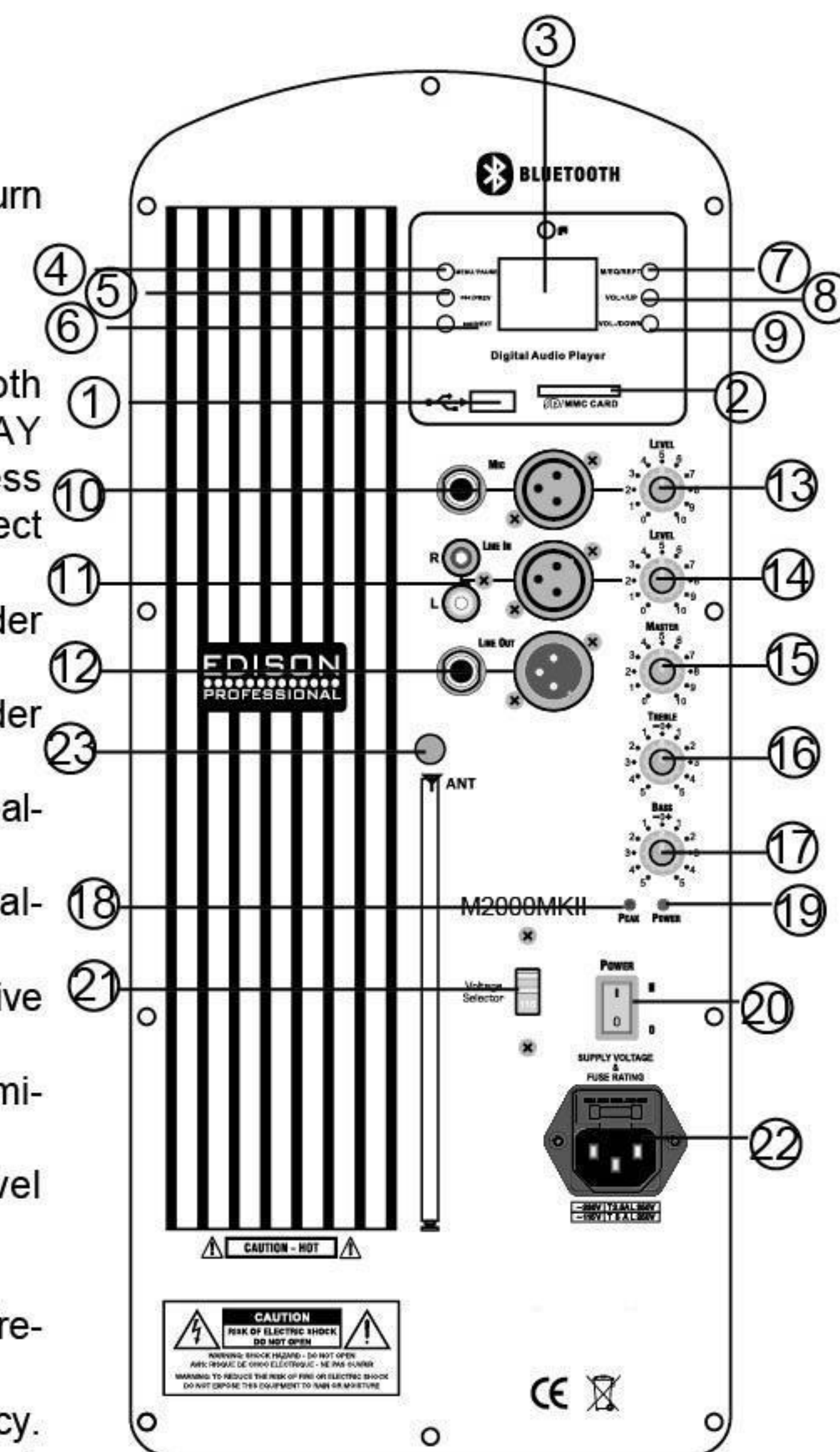9. Only LINE LEVEL SIGNALS SHOULD BE SENT TO YOUR SPEAKER.
    Failing to adhere to the cautions above will void the manufacturer warranty!

Functions:
1. USB Port
2. SD/MMC Port
3. LCD Display
4. Press this button to PAUSE. Press for 2-3 seconds to return to the MENU
5. Press this button to return to the start of the previous track
6. Press this button to skip to the beginning of the next track.
7. Mode button, to switch between USB/SD or FM/Bluetooth function. Press for two to three seconds to select EQ/PLAY MODE/LANGUAGE. When paused in USB/SD mode, press button for two or three seconds to select a folder, then select the audio file.
8. Press to raise the Digital Audio Player's volume. In folder mode, press to skip to the previous page.
9. Press to lower the Digital Audio Player's volume. In folder mode, press to skip to the previous page.
10. MIC IN: Use XLR or 1/4" jack connector balanced or unbalanced.
11. LINE IN: Use RCA or XLR connector balanced or unbalanced.
12. LINE OUT: Use this connector to daisy-chain several active speakers together from the same signal source.
13. MIC LEVEL: Control the output volume when using a microphone.
14. LINE LEVEL: Control the output volume for LINE level inputs.
15. MASTER: Controls the output volume.
16. TREBLE: Raise or attenuate highs at 12dB @ 12 KHz frequency.
17. BASS: Raise or attenuate lows at 12dB @ 80Hz frequency.
18. PEAK: LED illuminates when a clipped signal is present. Reduce volume to avoid distorted sound.
19. Power Indicator
20. Power Supply Switch
21. Voltage Selector: Adjust AC Power between 115V and 230V
22. Power Supply Input Connector: Use with power cord.
23. FM RADIO with antenna.

Warning: Make sure speaker is off and all LEVEL controls are down (counterclockwise) before every use.

Connections:
1.Connect the output from your signal source (mixing console, microphone, preamp, or other mic- or line-level source) directly to the INPUT connector on the back of the speaker. It accepts balanced line-level signals from mixers, preamplifiers, CD players, tape decks, etc., and accepts direct connections from dynamic microphones through the MIC input.
2.There is also a 1/4" and XLR Output connector labeled LINE OUT. This allows you to connect more than one M2000MKII to the output of your sound source. Simply plug a ¼" or XLR cable from the Line Out connector of one speaker to the input connector of another speaker, and so on, daisy-chaining multiple speakers.
3.Turn on your signal source. (Make sure volume is turned down) Turn on M2000MKII. Start signal source and adjust volume controls on the signal source and M2000MKII speaker.

Bluetooth Connection
1. Make sure device (iPod, MP3 player, etc.) Bluetooth function is enabled. Remove SD Card or USB stick from speaker before enabling Bluetooth.
2. On the speaker, press and hold menu (4) button for 2-3 seconds to call up main menu. Press NEXT (6) button to select Bluetooth function and press MENU (4) button again to activate Bluetooth. Your device and speaker should now be connected.
3. **Make sure to choose BLUETOOTH from your device to complete the connection**
4. Only one Bluetooth device can be connected to the M2000MKII speaker at a time.
5. To connect a new device; turn off the M2000MKII speaker for 10 seconds and turn on again and begin with step one above.

Placement Tips

• Avoid placing loudspeakers in the corners of a room. This increases the low-frequency output and can cause the sound to be muddy and indistinct.
• Avoid placing loudspeakers against a wall. This, too, increases the low frequency output, though not as much as corner placement. However, if you do need to reinforce the low frequencies, this is a good way to do it.
• Avoid placing the active speakers directly on a hollow stage floor. A hollow stage can resonate at certain frequencies, causing peaks and dips in the frequency response of the room. It´s better to place the speakers on a sturdy table or tripod stands.
• Position the speakers so the high-frequency drivers are two to four feet above ear level to the audience to maintain high frequency quality.

Troubleshooting

No Power
• First check to make sure the speaker is plugged in to a live AC outlet.
• Make sure the POWER switch is on.

No Sound
• Make sure input LEVEL control turned up.
• Make sure signal source is working and the connecting cables are in good shape and securely connected at both ends. Make sure the output volume control on the mixing console is turned up.
• Make sure the preamp or mixer does not have a Mute button engaged.

Bad Sound – Noise - Humming
• If the sound is loud and distorted, verify that the levels are set properly on the speaker and mixing console.
• Make sure all connectors are secure and they are plugged in to the proper connecter (i.e., Mic cable plugged in to MIC input, Line level source plugged in to Line Level Input.
• It is a good idea to periodically clean all electrical connections with a non-lubricating electrical contact cleaner.

• Make sure none of the signal cables are routed near AC cables, power transformers or other electrical power cords.
• If humming occurs, turn the LEVEL control of the speaker all the way down. If the noise disappears, its coming from the signal source. If not, try disconnecting the cable connected to the INPUT jack. If the noise disappears, it could be a ground loop, the following ideas:
   o Use balanced connections throughout your system for best noise rejection. (XLR cables, balanced jacks; RCA cables are not balanced)
   o Whenever possible, plug all the audio equipments power cords into the same outlet.
   o The hum may appear when using an unbalanced source (CD player, iPod, etc.). You can use an RCA to XLR adapter to turn an unbalanced cable to a balanced cable.
   o If the hum persists, try removing components one at a time from the back of the mixer and check each for hum. Reducing the Bass or Treble levels (16 and 17) may reduce humming.

Care and Maintenance

Your active speakers will provide many years of reliable service if you follow these guidelines:
• Avoid exposing the loudspeaker to moisture. If they are set up outdoors, be sure they are under cover if you expect rain.
• Avoid exposure to extreme cold. If you must operate loudspeakers in a cold environment, warm up the voice coils slowly by sending a low-level signal through them for about 15 minutes prior to high-power operation.
• Use a dry cloth to clean the cabinets. Only do this when the power is turned off.
• Avoid getting moisture into any of the openings of the cabinet, particularly where the drivers are located.

FCC Certification Requirements

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.