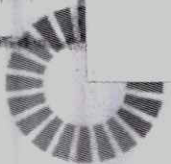


Manual # 794

SCANNED



DIGITTECH
Audio

PA System Portable
Kit

CS-2549

Plant # 12162001

2 x 100WRMS Portable
10" PA Speakers
with 7-Channel Mixer

OWNER'S MANUAL



IMPORTANT SAFETY SYMBOLS



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.



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal

Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

1. IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warning.
- Follow all instructions.

- **Water & Moisture**

The apparatus should be protected from moisture and rain, can not used near water, for example: near bathtub, kitchen sink or a swimming pool, etc.

- **Heat**

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

- **Ventilation**

Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

- **Object and Liquid Entry**

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

- **Power Cord and Plug**

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

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 is provided for your safety. If the provided plug does not fit into your outlet, refer

to electrician for replacement.

- **Power Supply**

The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

- **Fuse**

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

- **Electrical Connection**

Improper electrical wiring may invalidate the product warranty.

- **Cleaning**

Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

- **Servicing**

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only.

Only use accessories/attachments or parts recommended by the manufacturer.

Introduction

Introduction : Congratulations and thank you for purchasing the CS-2549 PA system, The CS-2549 is a self-contained, portable pa system featuring multiple input channels with individual tone controls, multiple digital effects and convenient output routing capabilities that allow the user to integrate the system into any number of audio environments. And with its lightweight and ergonomic design the CS-2549 is perfect for situations where ease and portability are just as important as quality and flexibility.

Included in the CS-2549 package are:

- . 2 speakers with detachable modules
- . 1 module contains the CS-2549 powered mixer
- . 1 module is designed for storage of speaker cables and microphones
- . 1 pair of unshielded speaker cables(5m)
- . 1 Power cable
- . 1 Piece of microphone with cables(5m).
- . User's Guide

Caution ! There are no user serviceable parts inside this speaker . Do not attempt any repairs , without being instructed to do so by an authorized our company technician . Doing so will void your manufacturer warranty . In the unlikely event your speaker may require service , please contact our company.

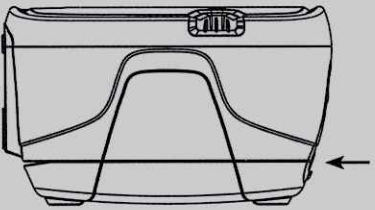
Unpacking : CS-2549 has been thoroughly tested and has been shipped in perfect operating condition . Carefully check the shipping carton for damage that may have occurred during shipping . If the carton appears to be damaged carefully inspect your units for any damage and be sure all accessories necessary to operate the system have arrived intact . In the event damage has been found or parts are missing , please contact our toll free customer support number for further instructions . Please do not return the speaker to your dealer without first contacting customer support .

Main Features

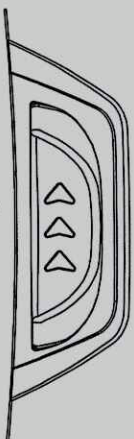
1. Active amplified portable pa system
2. 200 watt High-performance powered speaker system.
3. State-of-the-art, high efficiency switch mode power supply with a class D high frequency amplifier
4. 100HX60V asymmetrical wave guide for uniform audience coverage
5. 7 chanel powered mixer with intuitive interface
6. On board digital multi-effects
7. Integrated 36 mm pole mount socket with stabilizing securing screw
8. Highly designed composite enclosures for durability, lightweight, and acoustic performance

Getting Started

1. Remove speakers, power cable and the speaker cables from the carton.
2. Detach the modules from the speakers. By pressing and sliding the button on the top of the speaker you will release the module from the speaker. All that is required is a little lift on the module once the button is pressed. (Ex. 1).

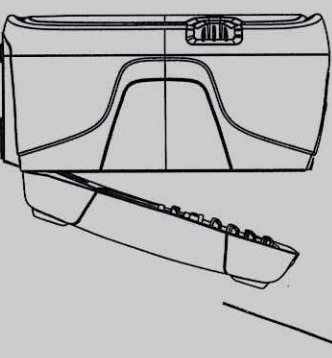


(1) Press here



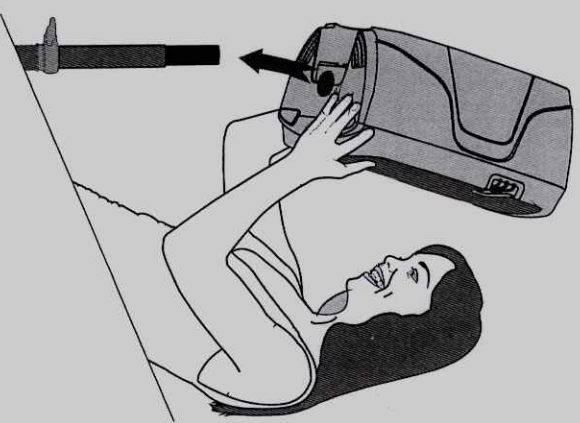
(2) Slide button

(EX. 1)



(3) Lift

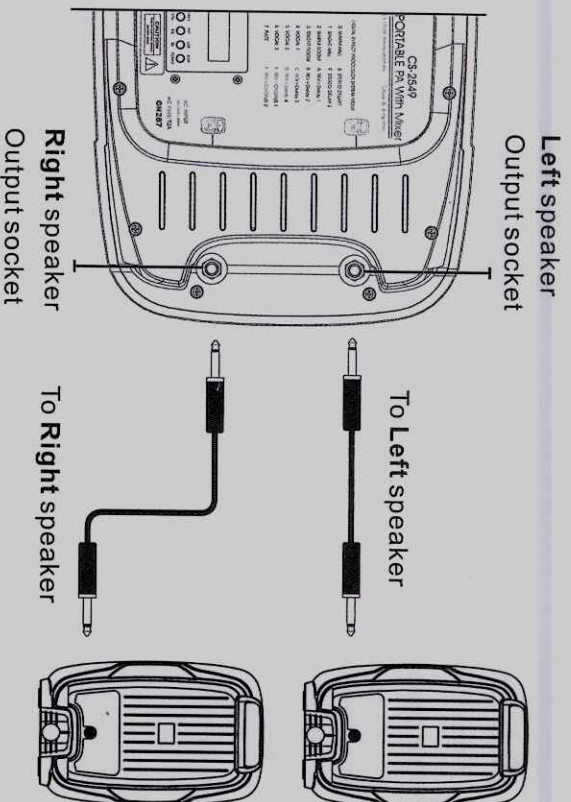
3. If you have purchased speaker stands, you can place the speakers on the stands utilizing the pole mount adaptor built into the CS-2549 speaker cabinets. Once the speaker is on the pole, tighten the set screw to snug the speaker to the pole..



4. Connect the Mixer Module to the speakers

On the right side of the mixer you will notice two 6.5mm Plug -these are your speaker output sockets.

Take the speaker cables and connect them from these sockets to the sockets on the back of the speakers.



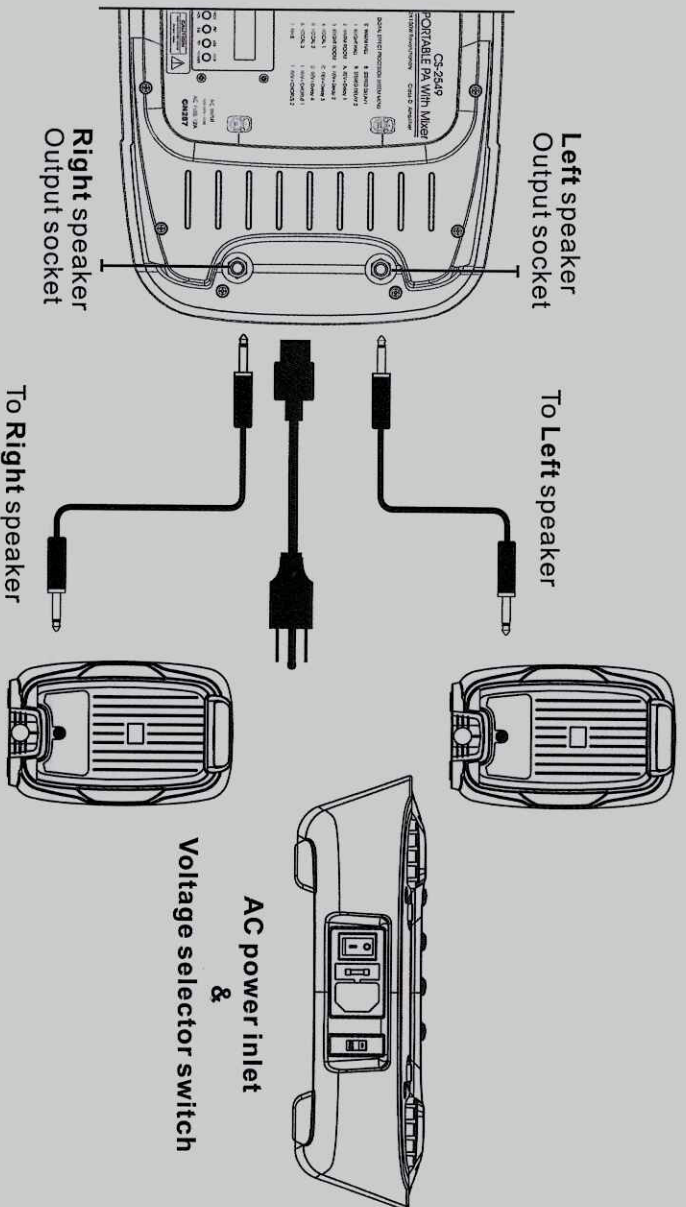
5. Connecting the AC Power Cable

Connect the female end of the power cable to the mixer and plug

The male end into the wall socket or extension cord. Turn the "MASTER VOLUME" control to "0".

Now turn the power switch to the "on" position. You should see the POWER indicator illuminated.

At this point you are ready to bring in an audio signal and hear the signal amplified by the system.

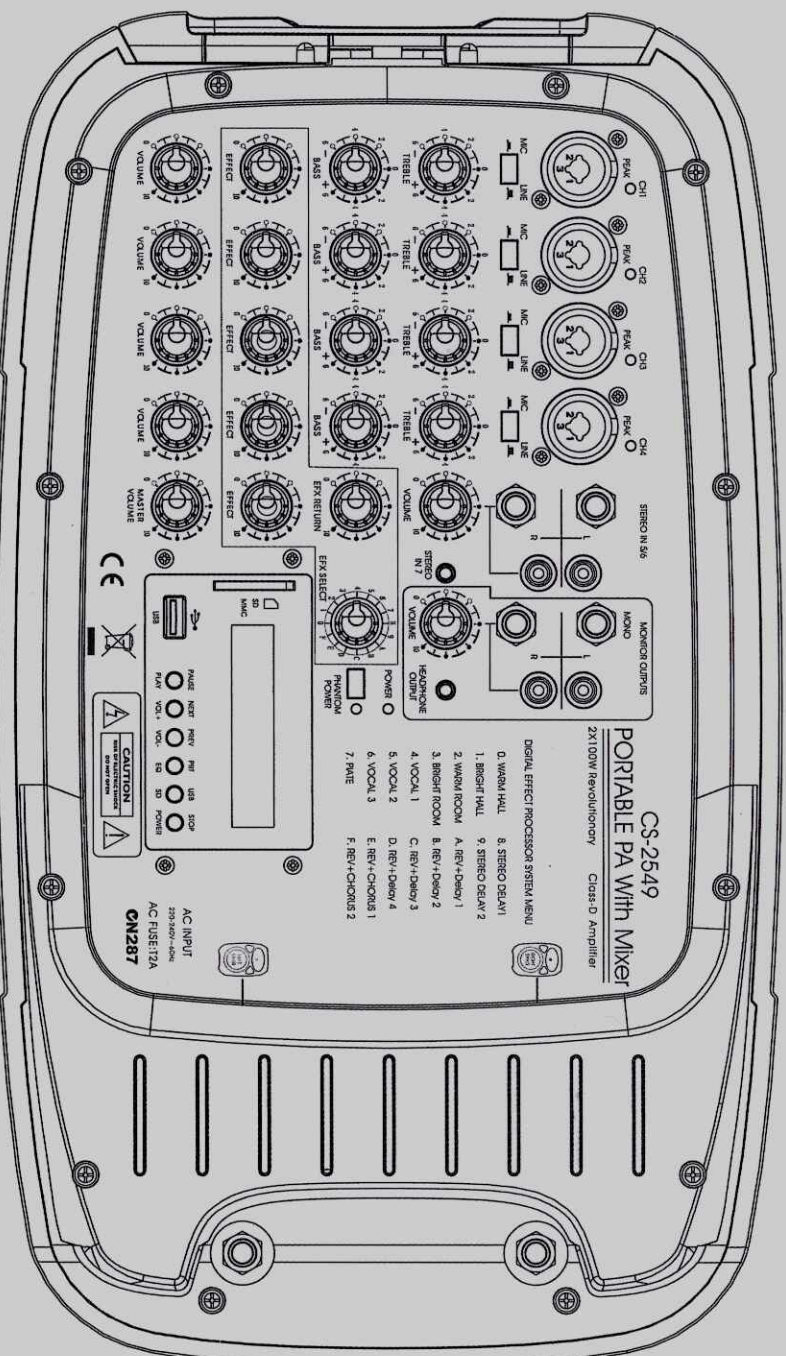


Getting Acquainted with the CS-2549 Powered Mixer

This part of the CS-2549 system houses the mixing board and power amplifier. You will connect all of the microphones, musical instruments, external sound sources (like Mp3 or CD players), headphones in addition to any recording devices or additional speakers like a personal monitor, subwoofer or "Front of House" feed.

The Basics

While it looks complicated, the mixing board is actually a very simple device. A "mixing board" brings audio sources "in" (through the inputs) and routes the signal to the outputs (MASTER VOLUME/SPEAKER OUTPUTS or MONITOR OUTPUTS)). The mixer controls enable the user to affect the tone and/or volume in addition to routing the signal and adding effects to individual input source, The abundance of knobs is simply due to the repetitive nature of the design.



Let's look at the "inputs" first:

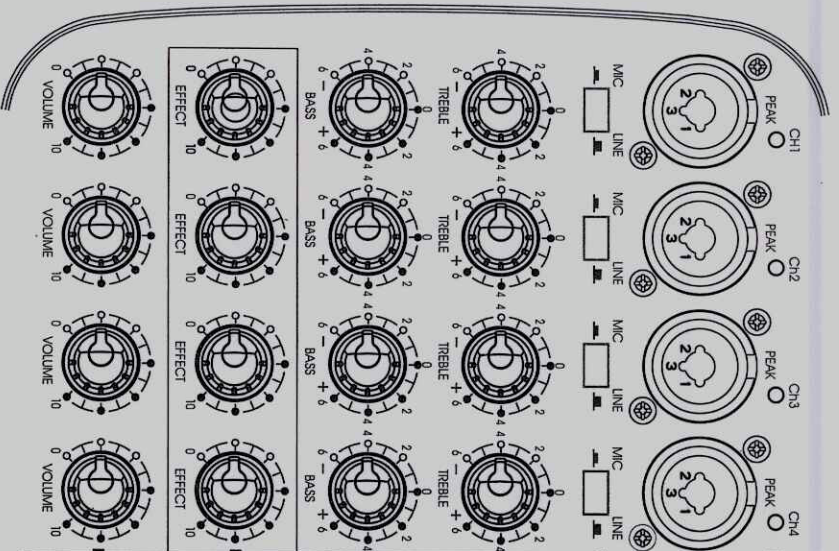
AUDIO INPUTS

The CS-2549 has 7 inputs: 4 mono inputs and 3 stereo inputs.

All of the inputs will route to the speakers and to the MONITOR OUTPUT SECTION.

MONO MIC/LINE INPUTS

Moving from left to right there are 4 identical input strips comprised of (from top to bottom) a "peak LED", a combination input connector, MIC/LINE selector, Treble and Bass controls, a Reverb send and a channel volume control.



PEAK indicator shows you that the input is either present (green) or is overloaded (red)

Combination 6.5mm Plug and XLR male input

MIC/LINE "SELECTOR" allows you to select between a microphone (XLR) input and a line (6.5mm Plug) input

Treble control adjusts the amount of high frequencies on the particular channel

Bass control adjusts the amount of low frequencies on the particular channel

Effect control adjusts the amount of effect on the particular channel

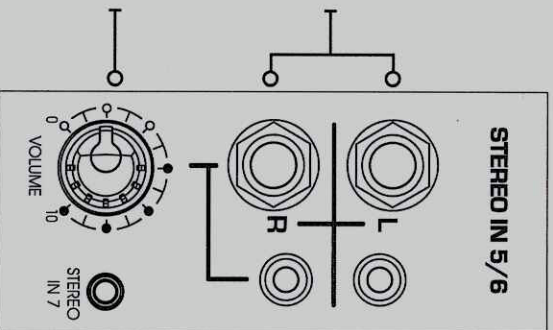
Channel volume control adjusts the gain on the particular channel

STEREO INPUTS

The CS-2549 has two stereo inputs and these are used primarily for Mp3 or CD players but could be used with the stereo output of an electronic keyboard, instrument pre-amp of processor, or an electronic drum machine. The inputs labeled "STEREO IN 5/6" offer the option of using 6.5mm plugs or RCA plugs and this channel has a volume control. The input labeled "STEREO IN 7" is a 3.5mm stereo input of the type typically found on personal music players. This input does not have a volume control as personal music Players usually have a volume control built into the unit. This is the best way to control the volume of the unit plugged into this input.

Stereo in 5/6 6.5mm Plug inputs (use with electronic keyboard, instrument pre-amp or processor an electronic drum machine)

Volume control for "stereo in 5/6"



Stereo in 5/6 RCA inputs (use with Mp3 player, CD or any consumer Type electronics)

3.5mm input for stereo in 7 for use with personal music players

STEREO OUTPUTS: We've brought signals into the mixer now Let's send them somewhere.... The CS-2549 has 3 stereo pairs of outputs:

1. **LEFT/RIGHT speaker outputs**-These outputs should only be connected to the CS-2549 speakers and under no condition should they be connected to the input of another electronic device. These outputs carry power and as such could damage the electronic device. Only use "unshielded" speaker cables (like the cables provided with your CS-2549).

2. **MONITOR OUTPUTS** -These outputs allow you to route the stereo mixer signal to another destination like a recording device

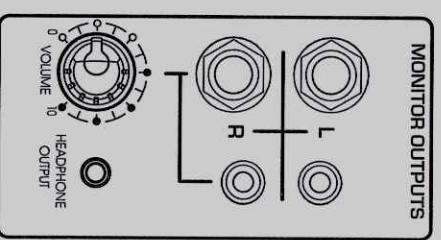
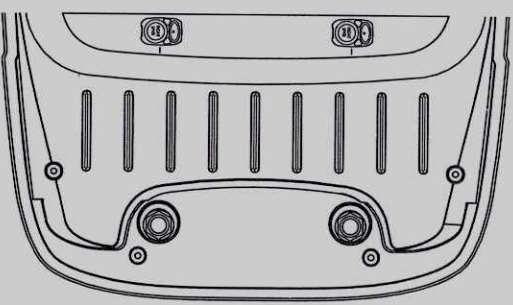
personal monitor, subwoofer or to another PA system (Front of House). Depending on the input connectors of the destination device, you can use either the 6.5mm Plugs or the RCA Plug.

MONITOR OUTPUT VOLUME -This controls the overall volume of the MONITOR OUTPUT.

3. **HEADPHONE OUTPUTS** -This output allows the user to listen to the main output the CS-2549 mixer. Headphones used will require a 3.5 mm stereo plug.

MASTER VOLUME

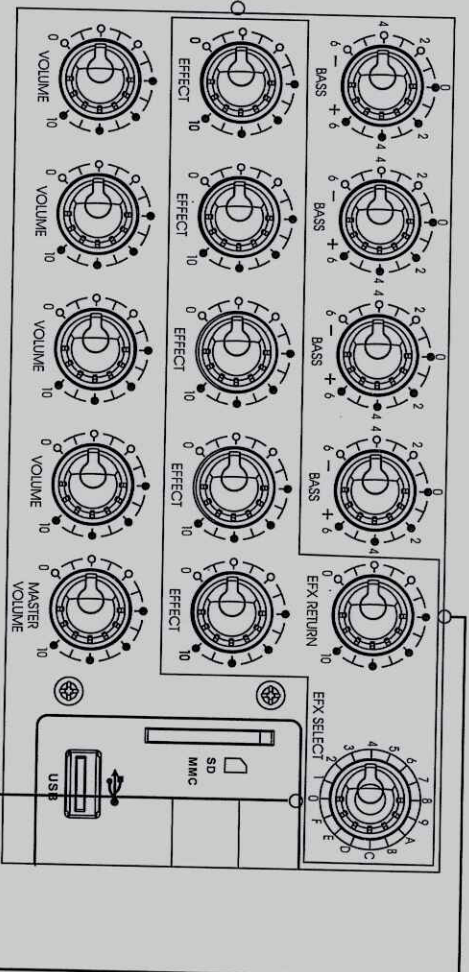
Your CS-2549 is equipped with a "Master Volume" that controls the overall output volume of the system.



DIGITAL EFFECTS

Your CS-2549 is equipped with digital multi-effects designed to enhance instruments or vocals. There are sixteen effects available on the CS-2549.

An effect on a vocal or instrument can create a very natural sense of space for the listener and is great fun for the performer. Used correctly, effects enhance a voice or instrument in a very musical way but, when used to excess, they can make the music or voice less intelligible and unnatural.



Located on each mono input strip is a control labeled **"EFFECT"**. This control determines the amount of effect for that specific channel.

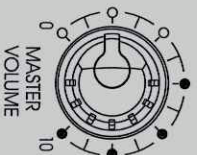
"EFX SELECT" determines what type of effect is selected.

The **"EFX RETURN"** controls the amount of effect on a global basis. All channels that have the **"EFFECT"** control activated will be affected by turning this control up or down.

- | | |
|----------------|-------------------|
| 0. WARM HALL | 8. STEREO DELAY 1 |
| 1. BRIGHT HALL | 9. STEREO DELAY 2 |
| 2. WARM ROOM | A. REV+Delay 1 |
| 3. BRIGHT ROOM | B. REV+Delay 2 |
| 4. VOCAL 1 | C. REV+Delay 3 |
| 5. VOCAL 2 | D. REV+Delay 4 |
| 6. VOCAL 3 | E. REV+CHORUS 1 |
| 7. PLATE | F. REV+CHORUS 2 |

6. CONNECTING A MICROPHONE:

- Turn the "MASTER VOLUME" to "0".
 - Connect the microphone to the microphone cable and insert the male end into channel 1 of the CS-2549 mixer.
 - Depress the MIC/LINE switch - this increases the sensitivity of the input and is set for use with a dynamic microphone.
 - Set the "TREBLE" and the "BASS" control to "0" (IN THE CENTER AT THE DETENT).
 - Set the "REVERB" TO "0".
 - While talking loudly into the microphone bring up the channel volume until the red "PEAK" indicator blinks quickly. If the indicator does not come on at all and you have turned the channel volume to "10", then reduce the channel volume to "7" and move on to the next step. If the "PEAK" indicator comes on at "3" for instance, then press the MIC/LINE switch returning it to the "up" position and increase the channel volume control.
 - Slowly bring up the "MASTER VOLUME" to the desired loudness.
- *If you are using a "condenser microphone" engage the PHANTOM POWER button.



7. CONNECTING A KEYBOARD, DRUM MACHINE, CD OR MP3 PLAYER TO THE 5/6 STEREO INPUT:

- Turn down both the "volume" control on channel 5/6 and the "MASTER VOLUME" control.
- Connect the output of the device to the "5/6" input of the CS-2549 mixer using the appropriate Input Plugs. (6.5mm Plug or RCA depending on the output of the device you are trying to connect)
- If there is an output gain or volume control on the device, set that to "7". This level is a starting point but should get you enough output to drive the input of the CS-2549 Input Plugs. (6.5mm Plug or RCA depending on the output of the device you are trying to connect) Point but should get you enough output to drive the input of the CS-2549
- Bring up the "5/6 VOLUME CONTROL" to the 5-7 range.
- Slowly bring up the MASTER VOLUME to the desired loudness.

8. CONNECTING A PERSONAL MUSIC PLAYER TO THE 7 STEREO INPUT:

- Turn down the "MASTER VOLUME" control.
- Connect the output of the device to the 7 input of the CS-2549 mixer using a 3.5mm stereo "mini plug".
- If there is an output gain or volume control on the device, set that to "7". This level is a starting point but should get you enough output to drive the input of the CS-2549.
- Slowly bring up the MASTER VOLUME to the desired loudness.

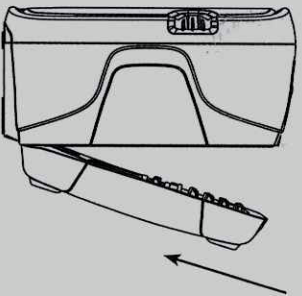
9. USING THE MONITOR OUTPUTS: You can connect these outputs to a variety of devices like a recording device, a powered sub-woofer, additional power amplifier and speakers or even another mixer.

- Turn the "MONITOR OUTPUT VOLUME" control to "1".
- Connect the MONITOR OUTPUT (EITHER THE 6.5MM PLUG OR RCA) to the inputs of the device into which you want to plug the mixer.
- Set the input level of the external device according to the manufacturer instructions.
- Slowly bring up the "MONITOR OUTPUT VOLUME" to the desired loudness.

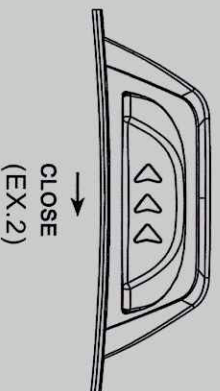
10. STORING THE CS-2549

- a. Turn down the "MASTER VOLUME" CONTROL.
- b. Turn the mixer unit off.
- c. Disconnect the AC power cable from the mixer and then unplug the cable from the wall outlet.
- d. Disconnect the speaker cables from the mixer and then disconnect the speaker cable from the speakers.
- e. Disconnect all other inputs (microphones, instruments of music players) from the mixer.
- f. Return the cables to the storage module and secure the latch.
- g. To return the storage module or mixer module back to their attached position on the rear of the speakers simply reverse the process described in the Getting Started portion of the manual. (EX.2)

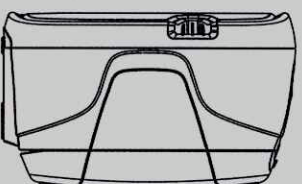
(1) Slide the module into the back of the speaker



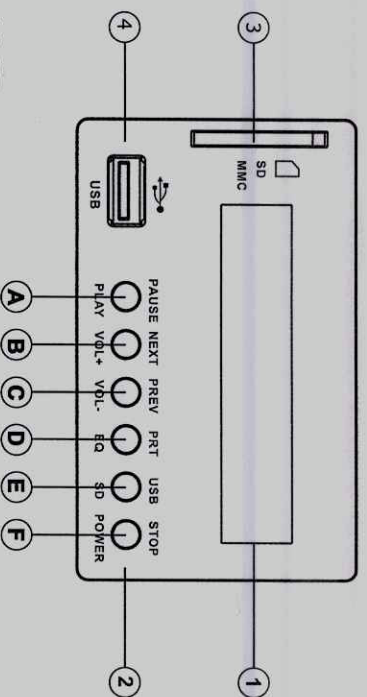
(2) Gently press forward and snap the module into the latch



(3) The module should be securely fastened to the speaker and ready for transport



Mp3 player



1.LCD:

This large blue LCD screen displays all relevant information about the function being selected or the Mp3 file (or song) being played.

2.FUNCTION SELECTOR:

This section provides front-selectable push switches , allowing you to choose between one

A.Play/Pause

- Press this button to play the chosen song.Press it again to momentarily interrupt the playing.
- Press a third time to continue the reading of the song.

B.Next/Vol+

- Press this button once to go to the next song.
- Press and hold this button to increase the volume of the Mp3 reader.

C.Previous/Vol-

- Press this button once to come back to the previous song.
- Press and hold this button to lower the volume of the Mp3 reader.

D.Repeat/EQ

- Press this button once to play the current song repeatedly until the "stop" step is activated
- Press this button twice and all loaded songs will be played one after the other untio the "stop" step is selected .
- Press this button third time to stop the repeating process.
- Press and hold this button to select among different types of equalization applied to the song currently playing.

E.USB/SD

- Use this knob select the USB memory card or SD/MMC memory card.

F.Stop/Power

- Press this button to end the song.
- Press a third time to turn off Mp3 Player.

3.SD(Input)

- This slot is used to insert a SD(Secured Digital), non-volatile memory card with Mp3 files to be read.

4.USB(Input)

- In this port, plug in any USB(Universal Serial Bus) memory stick with Mp3 files to beplayed..

SPECIFICATIONS

System

system type: powered mixer with two-way bass-reflex enclosures
Maximum spl output:124dB
Frequency Range(-10db): 50Hz-20KHz
AC Input: 120-240V 50/60Hz,voltage selector switch
sets operational range

Amplification

Amplifier Design: Class D (2x100w stereo)
Output Connector: 2*6.5mm Plug (unbalanced) amplifier outputs

Mixer

Input Connectors: 8 inputs(4 mono mic/line ,2xstereo)
Channels: 1-4 are XLR 6.5mm Plug combo connectors ,
XRL is a mic level input ,6.5mm Plug is a line level input .
5-6,one pair of 6.5mm balanced Plug (stereo),
and a pair of RCA Plug (stereo).
7 is a 3.5 mm stereo Plug.

Phantom power: 15v
Output Connectors: Monitor outputs: one pair of 6.5mm balanced
Plug (stereo) and a pair of RCA Plug (stereo)
Headphone output : one 3.5mm stereo Plug.
Signal Indicators: Ch1-4 Peak LED :Green=signal present,
Red=input overload

EQ: Individual channel Bass and Treble controls ,center detent,
+/-+db cut and boost

System limiter: High quality digital 16 DSP

Speaker

LF Driver: 10" woofer
HF Driver: 1" woofer
Output Connector: 2*6.5mm Plug (unbalanced) amplifier outputs
Handles: One on top
Suspension/Mounting: 36mm pole socket with stabilizing screw
Shipping package (H*W*D): 655*380*550