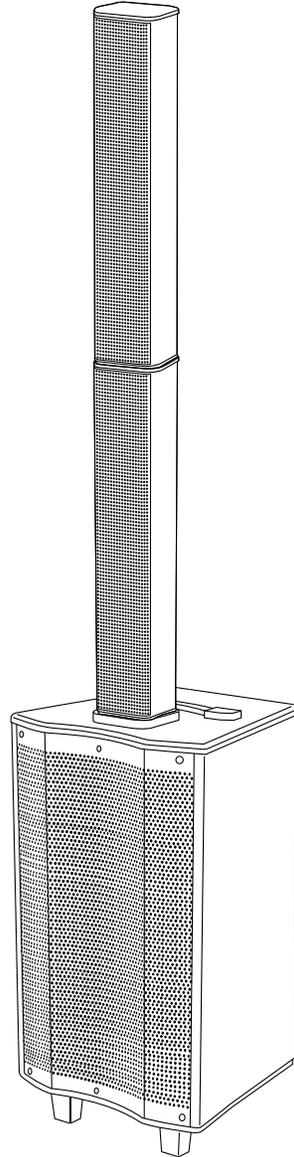


# *VocoPro*<sup>®</sup>

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PROFESSIONAL VOCAL SYSTEMS<sup>™</sup>



## ***Drifter***

**Rechargeable Compact Line Array PA Karaoke System**

o w n e r ' s m a n u a l



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# FCC Information

## 1. IMPORTANT NOTICE: DO NOT MODIFY THIS

**UNIT!:** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Vocopro may void your authority, granted by the FCC, to use this product.

**2. IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable(s) supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the U.S.A.

**3. NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurances that your use of this product in a residential environment will not result in harmful interference with other electronic devices. This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the owner's manual, may cause interference harmful to the operation of other electronic devices. Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "Off" and "On", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Use power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter(s).

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300-ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact your local retailer authorized to distribute Vocopro products. If you can not locate the appropriate retailer, please contact Vocopro, 1728 Curtiss Court, La Verne, CA 91750.

## CAUTION

The apparatus is not disconnected from the AC power source so long as it is connected to the wall outlet, even if the apparatus itself is turned off. To fully ensure that the apparatus is indeed fully void of residual power, leave unit disconnected from the AC outlet for at least fifteen seconds.

## CALIFORNIA PROP 65 WARNING

**WARNING:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)

For more information: [www.vocopro.com/prop65](http://www.vocopro.com/prop65)

## CAUTION:

### READ THIS BEFORE OPERATING YOUR UNIT

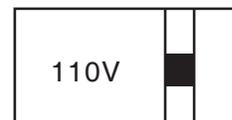
1. To ensure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
2. Install your unit in a cool, dry, clean place - away from windows, heat sources, and too much vibration, dust, moisture or cold. Avoid sources of hum (transformers, v motors). To prevent fire or electrical shock, do not expose to rain and water.
3. Do not operate the unit upside-down.
4. Never open the cabinet. If a foreign object drops into the set, contact your dealer.
5. Place the unit in a location with adequate air circulation. Do not interfere with its proper ventilation; this will cause the internal temperature to rise and may result in a failure.
6. Do not use force on switches, knobs or cords. When moving the unit, first turn the unit off. Then gently disconnect the power plug and the cords connecting to other equipment. Never pull the cord itself.
7. Do not attempt to clean the unit with chemical solvents: this might damage the finish. Use a clean, dry cloth.
8. Be sure to read the "Troubleshooting" section on common operating errors before concluding that your unit is faulty.
9. This unit consumes a fair amount of power even when the power switch is turned off. We recommend that you unplug the power cord from the wall outlet if the unit is not going to be used for a long time. This will save electricity and help prevent fire hazards. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
10. To prevent lightning damage, pull out the power cord and remove the antenna cable during an electrical storm.
11. The general digital signals may interfere with other equipment such as tuners or receivers. Move the system farther away from such equipment if interference is observed.

## NOTE:

Please check the copyright laws in your country before recording from records, compact discs, radio, etc. Recording of copyrighted material may infringe copyright laws.

## Voltage Selector (General Model Only)

Be sure to position the voltage selector to match the voltage of your local power lines before installing the unit.



# Safety Instructions



## CAUTION RISK OF SHOCK



CAUTION: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Only refer servicing to qualified service personnel.

### Explanation of Graphical Symbols



The lightning flash & arrowhead symbol, within an equilateral triangle, is intended to alert you to the presence of danger.



The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and servicing instructions.

### WARNING

To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.

- 1. Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions** - The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
- 4. Follow Instructions** - All operating and use instructions should be followed.
- 5. Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 6. Water and Moisture** - Do not use this unit near water. For example, near a bathtub or in a wet basement and the like.
- 7. Carts and Stands** - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- 7 A.** An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause an overturn.



- 8. Ventilation** - The appliance should be situated so its location does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation slots.
- 9. Heat** - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- 10. Power Sources** - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 11. Grounding or Polarization** - Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.
- 12. Power-Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- 13. Cleaning** - Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 14. Power lines** - An outdoor antenna should be located away from power lines.
- 15. Nonuse Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 16. Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 17. Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
  - A. The power supply cord or plug has been damaged; or
  - B. Objects have fallen into the appliance; or
  - C. The appliance has been exposed to rain; or
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
  - E. The appliance has been dropped, or the enclosure damaged.
- 18. Servicing** - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

#### Note:

To CATV system installer's (U.S.A.): This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected as close to the point of cable entry as practical.



## Welcome

And thank you for purchasing the **Drifter** from VocoPro, your ultimate choice in Karaoke entertainment! With years of experience in the music entertainment business, VocoPro is a leading manufacturer of Karaoke equipment, and has been providing patrons of bars, churches, schools, clubs and individual consumers the opportunity to sound like a star with full-scale club models, in-home systems and mobile units. All our products offer solid performance and sound reliability, and to reinforce our commitment to customer satisfaction, we have customer service and technical support professionals ready to assist you with your needs. We have provided some contact information for you below.

### VocoPro

1728 Curtiss Court  
La Verne, CA 91750

**Toll Free: 800-678-5348**

TEL: 909-593-8893

FAX: 909-593-8890

#### VocoPro Company Email Directory

##### Customer Service & General Information

info@vocopro.com

##### Tech Support

techsupport@vocopro.com

#### Remember Our Website

Be sure to visit the VocoPro website **www.vocopro.com** for the latest information on new products, packages and promos. And while you're there don't forget to check out our Club VocoPro for Karaoke news and events, chat rooms, club directories and even a KJ Service directory!

We look forward to hearing you sound like a PRO, with VocoPro, the singer's ultimate choice.

### FOR YOUR RECORDS

Please record the model number and serial number below, for easy reference, in case of loss or theft. These numbers are located on the rear panel of the unit. Space is also provided for other relevant information

**Model Number**

**Serial Number**

**Date of Purchase**

**Place of Purchase**

# Listening for a Lifetime

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. VocoPro and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to a higher volume of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Set the dial and leave it there.
- Pay attention to the different levels in various recordings.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise. This list of sound levels is included for your protection.

## Some common decibel ranges:

Level	Example
<b>30</b>	Quiet library, Soft whispers
<b>40</b>	Living room, Refrigerator, Bedroom away from traffic
<b>50</b>	Light traffic, Normal Conversation
<b>60</b>	Air Conditioner at 20 ft., Sewing machine
<b>70</b>	Vacuum cleaner, Hair dryer, Noisy Restaurant
<b>80</b>	Average city traffic, Garbage disposals, Alarm clock at 2 ft.

## The following noises can be dangerous under constant exposure:

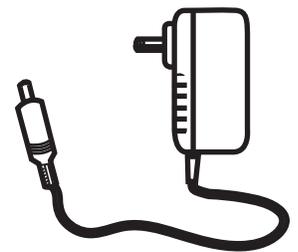
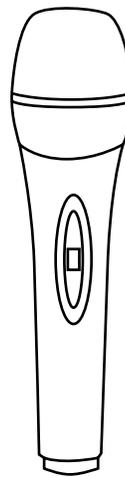
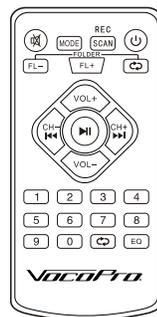
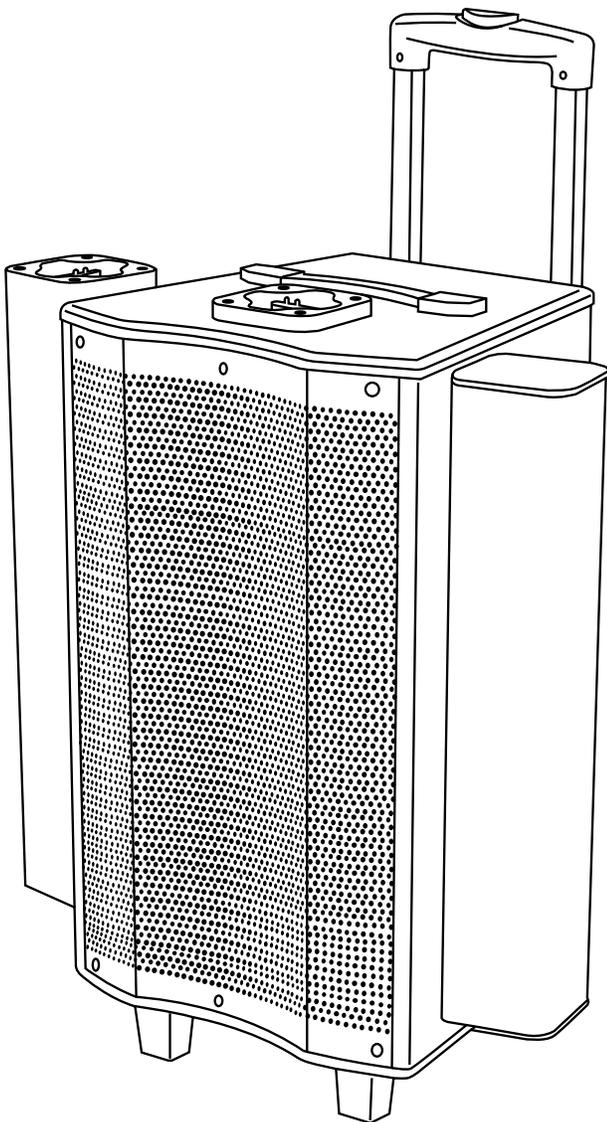
Level	Example
<b>90</b>	Subway, Motorcycle, Truck traffic, Lawn Mower
<b>100</b>	Garbage truck, Chainsaw, Pneumatics drill
<b>120</b>	Rock band concert in front of speakers
<b>140</b>	Gunshot blast, Jet plane
<b>180</b>	Rocket launching pad

-Information courtesy of the Deafness Research Foundation

# Getting Started

## What's in the box?

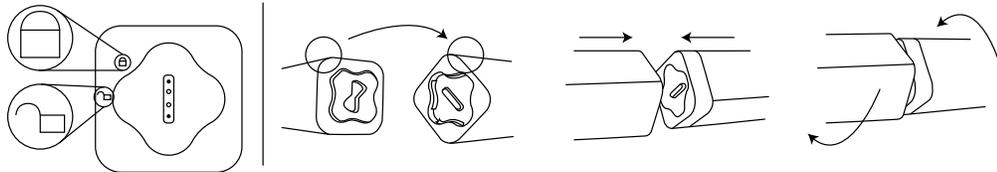
- Drifter Unit
- Power Adapter
- Detacheable Speaker (x2 Pcs)
- Remote
- One Microphone
- AUX Cable



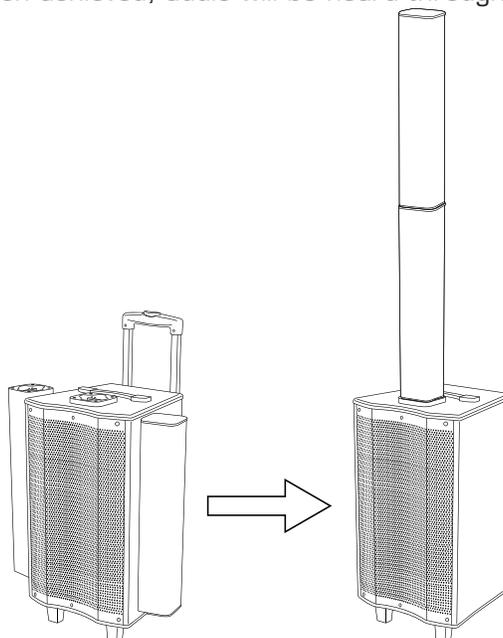
# Getting Connected

## Line Array Speaker Tower Installation:

- Align matching insertion points
- Gently insert inter-locking speaker tower components
- Twist and fix (front speaker grill and speakers should be oriented in the same direction if adjusted correctly)



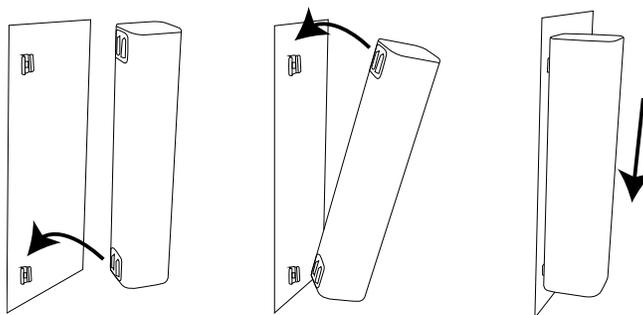
- Align configured speaker tower to connection port on top of the Drifter main speaker, twisting and locking entire piece into place
- Once a solid connection has been achieved, audio will be heard throughout the entire speaker tower column.



## Line Array Speaker Tower Storage:

Along the sides of the Drifter main speaker are convenient storage hook attachments for transporting the line array speaker column. When the unit is powered off and ready to be stored away, follow this simple breakdown procedure:

- Gently twist and unlock speaker tower column from the main speaker unit
- Further disassemble
- First, align bottom latch on speaker to the bottom storage hook attachment
- Follow by aligning top latch on speaker to top storage hook attachment
- When properly aligned, the additional speakers should insert and glide downward to attach.
- Once stored in place, the Drifter is ready for transport



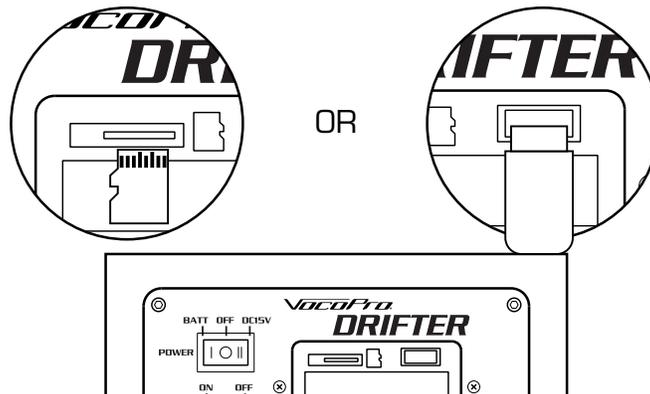
# Getting Connected

## General Operation:

1. Connect the supplied power cord to the unit and then AC wall outlet.
2. Toggle the power switch on the control board of the unit to BATTERY when no charge, and to AC when charging.
3. Press MODE button on the front of unit repeatedly to select the input source as: USB/SD card mode, Line in mode, FM mode, Bluetooth mode.

## Using a USB or micro SD for playback:

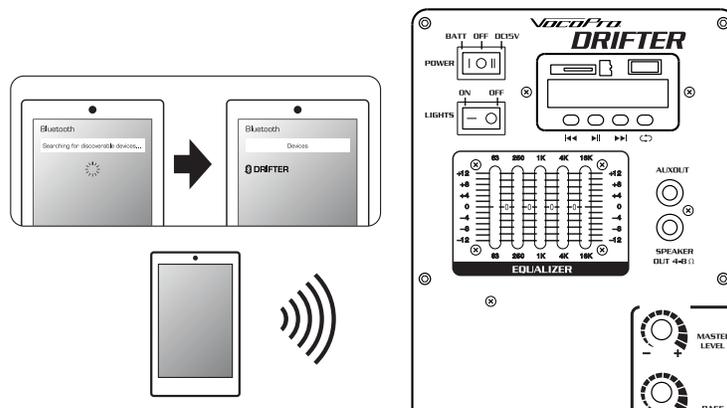
1. Insert a USB flashdrive or micro SD card into the USB or SD card slot as shown.  
Note: Make sure the SD card's lock tab is NOT set to lock. This will prevent files from being recorded to the SD card.



2. Once a USB or Micro SD card is inserted, the input mode will automatically change and the display will read "load"
3. The Drifter will begin playback of your files right away  
\*unless the files stored are incompatible or corrupted  
The Drifter utilizes a unique "resume" feature that allows the user to continue playback wherever the song had been interrupted, in the event that the USB or SD card is removed or if the unit powers down when the battery dies

## Bluetooth Pairing:

1. Press MODE button and select BT mode.
2. Enable the bluetooth feature on your audio device and set it to discover the VOCOPRO DRIFTER.
3. Once the VOCOPRO DRIFTER appears listed under the newly found bluetooth devices, click to connect.
4. When pairing is successful, a tone will be heard through the speaker.
5. You can now start streaming audio through the speaker wirelessly from your favorite devices.
6. The speaker will re-pair automatically with memorized devices after being turned off and on again.



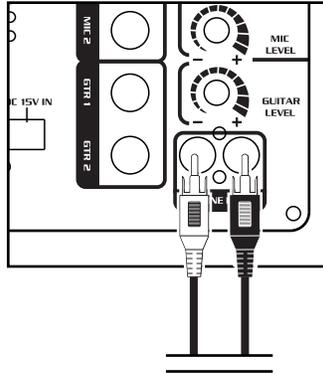
# Getting Connected

## FM (Radio):

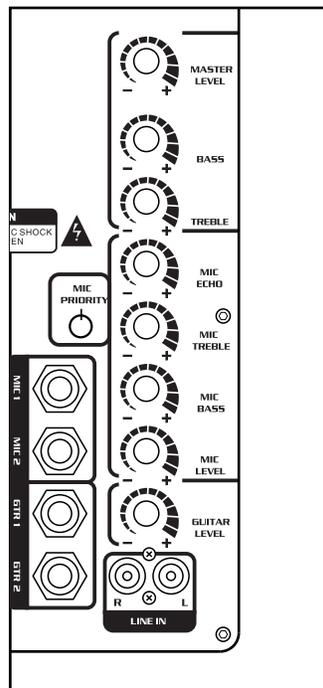
1. Press MODE button and select FM mode.
2. Press PAUSE/PLAY button to search and store the available FM station.
3. Press the LAST or NEXT button to select and play the desired stored FM station.

## Line In:

- Insert audio cable, RCA plugs (red to right, white to left); or 3.5mm plug to phone jack or other music player. This karaoke unit features a Line In jack for connecting your iPod, MP3 player or other digital music player.



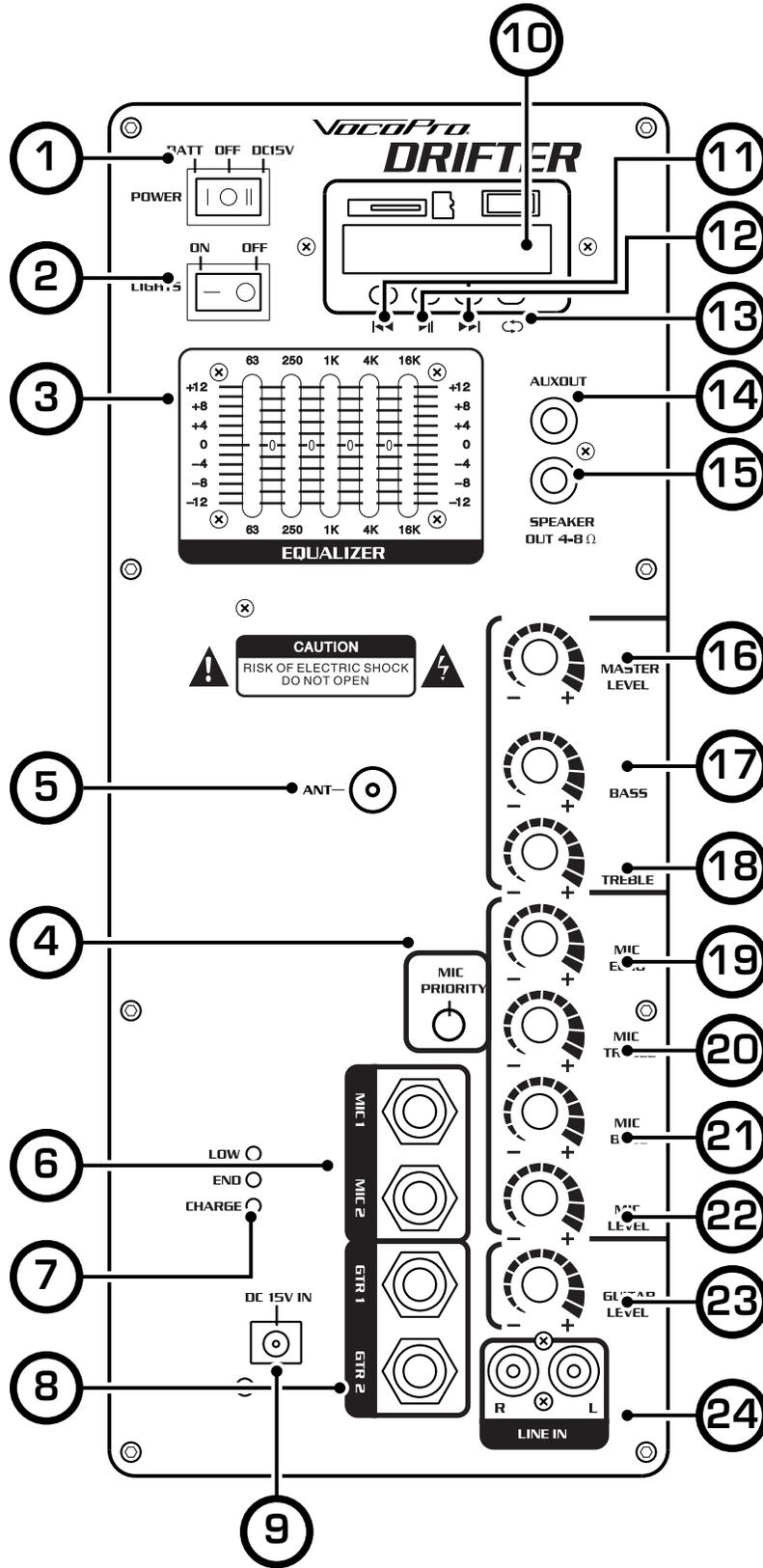
- Connect the headphone jack of your external device to the Line In RCA jacks located on the lower side of the control panel (The connection cable is not included).
- Press the "MODE" button on the included remote control until the Line input is selected
  - Connect the line out or headphone jack of your external audio device (e.g. a CD player, MP3 player, iPhone, iPod, etc...) to the unit with a suitable audio cable (not included).
  - Select your favorite song on your external audio device to play. You may need to adjust the output volume of your external audio device if the headphone jack is used for making the connection.
- Turn on your microphone and start singing. Adjust the MASTER VOLUME and/or MIC VOLUME if necessary. You may also use the ECHO CONTROLS to enhance your singing experience.
- Turn off both devices after use.



# Descriptions and Functions

- 1. Power Switch** – Toggles main power ON or OFF
- 2. Light Switch** – Turns lights ON or OFF
- 3. EQUALIZER** – This EQ Band is used to BOOST and/or CUT particular frequencies. Each slide fader processes a particular frequency range indicated by the number below it. Frequencies from 60Hz - 200Hz constitute the very low to low range. Frequencies from 200Hz to 1kHz are the mid-range and frequencies from 1kHz to 16kHz make up the high to very high range. To adjust, slide the fader up to boost the frequency presence and down to cut the frequency presence.
- 4. Mic Priority** – This feature will automatically lower the music audio when you speak into the microphone, when enabled. The music audio will come back once the microphone audio stops. This feature allows for a presenter/ speaker or vocal artist to be heard more prominent over any background music that may be playing
- 5. FM Antenna** – Connect included FM antenna here for enhanced radio reception
- 6. Microphone Inputs 1 & 2** – These jacks accept Microphone level signals from wired or wireless microphones.
- 7. Charge Indicator** – Displays current battery power capacity status.
- 8. Guitar Input** – This 1/4" jack accepts Line level signal from an instrument such as a guitar.
- 9. DC 15v Input** – Connect appropriate power adapter here to recharge internal battery
- 10. Display** – This screen displays system information such as track time, current input and track number.
- 11. Prev/Next** – Press Prev to jump to the previous track, and Next to jump to the next track.
- 12. PLAY/PAUSE** – Use this button to start playback. Press once to start playback, once again to set the pause mode, and once more to resume playback.
- 13. Input Mode** – Use this button to cycle between available input modes (AUX, USB/SD, Bluetooth, FM)
- 14. AUX Out** – Use this connector to send line level mono audio output signal via RCA cable to a separate device recording or monitoring set-up/device
- 15. Speaker Out** – Plug a separate speaker here that is 4-8 ohm impedance rating. Connecting to this amplified output will re-route the internal amplifier power. Do not connect an additional speaker here if you wish to also connect the included line-array speaker tower.
- 16. MASTER Volume** – Adjusts the overall loudness of all audio output
- 17. Main Bass** – Adjust the amount of bass tones heard
- 18. Main Treble** – Adjust the amount of treble heard present from main music.
- 19. Mic Echo** – This knob attenuates the amount of echo effect applied to mic audio. Echo effect will delay the sound with enough time so that you repeatedly hear exact copies of the original sound. This effect gives an added ambience to the mic sound.
- 20. Mic Treble** – This control increases/decreases the amount of HIGH (treble) frequency response applied to the MIC channels. Turn clockwise to increase the HIGH frequency response and counter-clockwise to decrease the HIGH frequency response
- 21. Mic Bass** – This control increases/decreases the amount of LOW (bass) frequency response applied to the MIC channels. Turn clockwise to increase the LOW frequency response and counter-clockwise to decrease the LOW frequency response.
- 22. Mic Volume** – This control increases and decreases the VOLUME level for the MIC channels. Turn clockwise to increase MIC VOLUME and counter-clockwise to decrease the MIC VOLUME.
- 23. Guitar Volume** – This control knob adjusts the volume for an instrument that is plugged into the GTR 1 or GTR 2 inputs.
- 24. Line In** – Connect a line level audio input here

# Descriptions and Functions



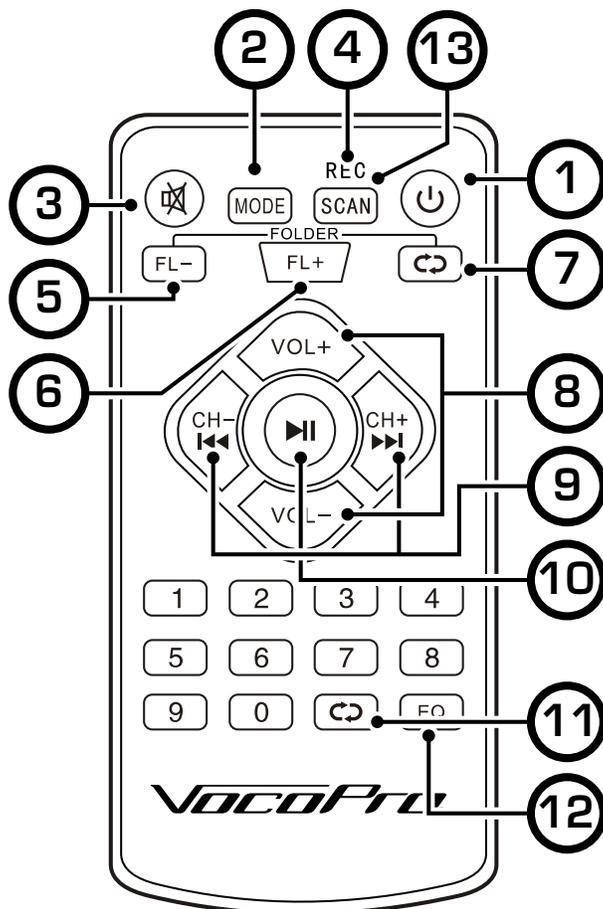
# Descriptions and Functions

## Remote:

1. **Standby** – Press to disable all functions and have unit retain residual power for quick resume.
2. **Mode Input** – Cycles between line-in, USB/SD, FM and Bluetooth playback modes
3. **MUTE** – Temporarily silences all audio output
4. **Record Function Operation:**
  - 1) Hold REC for two seconds, start to record.
  - 2) Then press REC to play record.
  - 3) Press REC again to exit record.
  - 4) Press MODE for two seconds to delete record file.

This function allows for microphone audio to be saved onto a USB or SD card.

5. **FL-** – Reverts back to the previous folder of digital files when in USB/SD input mode
6. **FL+** – Skips ahead to the next folder of digital files when in USB/SD input mode
7. **Loop Folder** – Press to have the unit replay the whole list of songs within a folder
8. **Vol+ Vol-** – Increase or decrease master output volume
9. **Ch+ Ch-** – Use to select next or last song file or to change radio station
10. **Play/Pause FM Search** – Press to start or stop digital file playback or use to scan for radio stations when in FM mode.
11. **Loop Song** – This button will auto-replay the current track selection
12. **EQ** – Cycle through different preset sound enhancements EQ 0~EQ 5 (normal, popular, rock, jazz, classic, country.)
13. **Scan** – Press to search for available radio stations



# Troubleshoot

## There is no power

- Make sure the power cord is firmly connected to the back of the unit and to the power outlet.
- If using a power strip/surge-protector, make sure that it is plugged in and switched on.
- If attempting to run on battery power, the battery may be depleted. Connect the unit to a wall outlet and recharge the battery.

## There is no sound

- Make sure the **MASTER VOLUME** knob is set to an audible level.
- If using microphones, make sure they are connected properly and cables are not defective.
- If using an external player, make sure they are connected properly and cables are not defective.
- If an external effects device is connected, make sure it is powered on.

## No Audio from Bluetooth Connection

- Make sure the **VOCOPRO DRIFTER** is still paired.
- If need be, repeat the process to pair your Bluetooth device.
- Make sure you are within operating range. The operating range is approximately 30 ft. If you are in excess of 30 ft from the **VOCOPRO DRIFTER**, the signal may cut-out or drop. Also try and limit any obstructions to line of sight.
- Check the volume levels.

