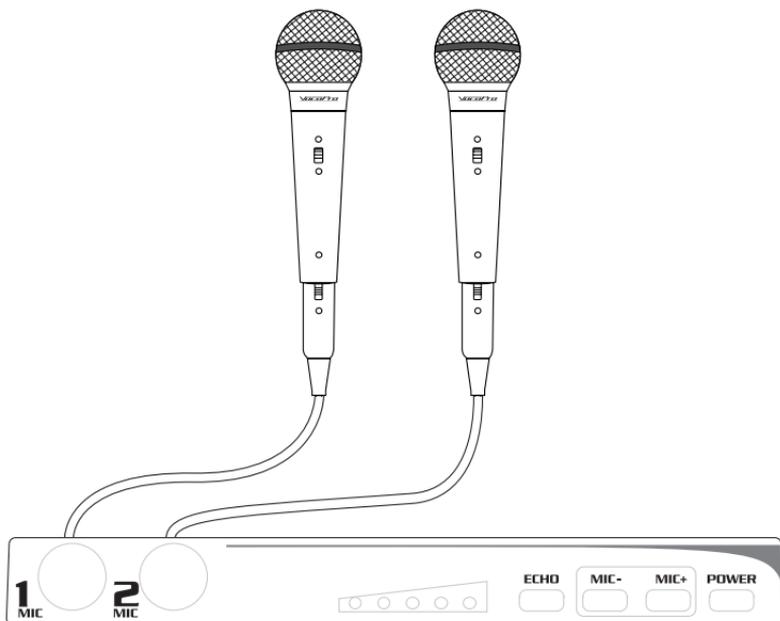


VocoPro[®]

PROFESSIONAL VOCAL SYSTEMS[™]



HD-Oke

HDMI Enabled Karaoke System

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

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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.

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

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:

Always 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.



Welcome



Welcome

And thank you for purchasing the **HD-Oke** 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
30	Quiet library, Soft whispers
40	Living room, Refrigerator, Bedroom away from traffic
50	Light traffic, Normal Conversation
60	Air Conditioner at 20 ft., Sewing machine
70	Vacuum cleaner, Hair dryer, Noisy Restaurant
80	Average city traffic, Garbage disposals, Alarm clock at 2 ft.

The following noises can be dangerous under constant exposure:

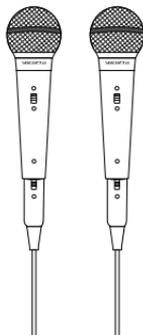
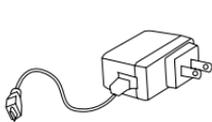
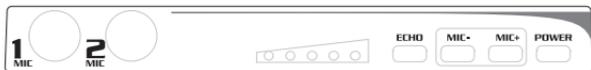
Level	Example
90	Subway, Motorcycle, Truck traffic, Lawn Mower
100	Garbage truck, Chainsaw, Pneumatics drill
120	Rock band concert in front of speakers
140	Gunshot blast, Jet plane
180	Rocket launching pad

-Information courtesy of the Deafness Research Foundation

Getting Started

WHAT'S IN THE BOX

- HD-OKE *HDMI Enabled Karaoke Device*
- Wired Microphone **(2)**
- DC Power Adapter (5V 500mA)
- 1/8" to 1/8" Cable
- 1/8" to RCA Cable



FEATURES

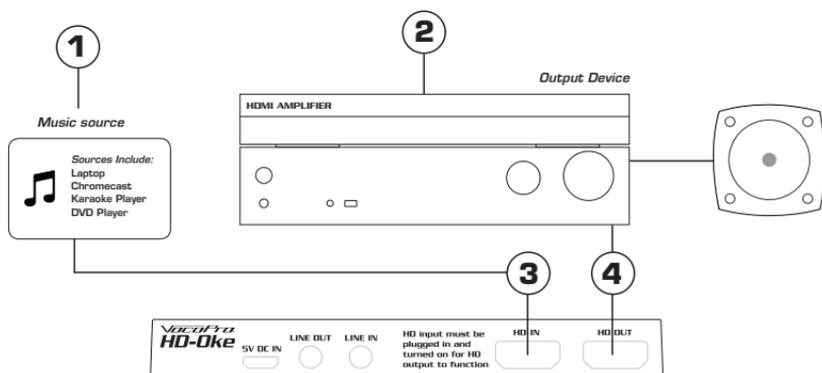
- HD In Can Accept Audio/Video from HD Set Top Boxes or HD Satellite TV Receivers
- HD Out Sends the Combined Audio and Video to a Receiver or Sound Bar with an HDMI Input
- Includes Two Wired Microphones
- Vocal Eliminator Function Reduces Lead Vocals of Non-Karaoke Songs
- New Generation DSP Microphone Effects
- Dual 1/4" Microphone Inputs Available
- Low Latency Analog-To-Digital Conversion for Microphone HDMI Output*
 - * Latency is determined by output device processing power. An HDMI receiver will have the quickest digital-to-analog conversion, which provides the lowest latency. VocoPro does not recommend using a TV as the output device for audio.

Getting Connected

DIGITAL CONNECTION SET-UP:

To get set up with the digital connections, please perform the following steps:

1. Identify the HDMI output located on the music source.
 - Potential HD music sources:
 - Laptop
 - Chromecast
 - Karaoke Player
 - DVD Player
 - Any component with an HDMI out
 2. Identify an available HDMI input located on the output device (such as a TV, or amplifier)
 3. Connect an HDMI cable from the output of the music source to the HD IN located on the back of the HD-Oke.
 4. Connect an additional HDMI cable from the HD OUT on the back of the HD-Oke into the available HDMI Input located on the output device (TV, or amplifier).
- The HD-Oke utilizes an Analog-to-Digital converter to output the analog microphone audio over the digital HDMI signal, as such there will be a small delay (less than .05 seconds) in the microphone audio. The audio delay is determined by the processing power of the output device; using an audio receiver will reduce the delay to a minimum, using a TV will produce a slightly longer delay.



- When using the digital connections, the microphone audio will be present **ONLY** if there is a source connected to the HDMI Input. If there is no audio source connected, there will be no microphone audio heard.

Getting Connected

ANALOG CONNECTION SET UP:

To get set up with the analog connections, please perform the following steps:

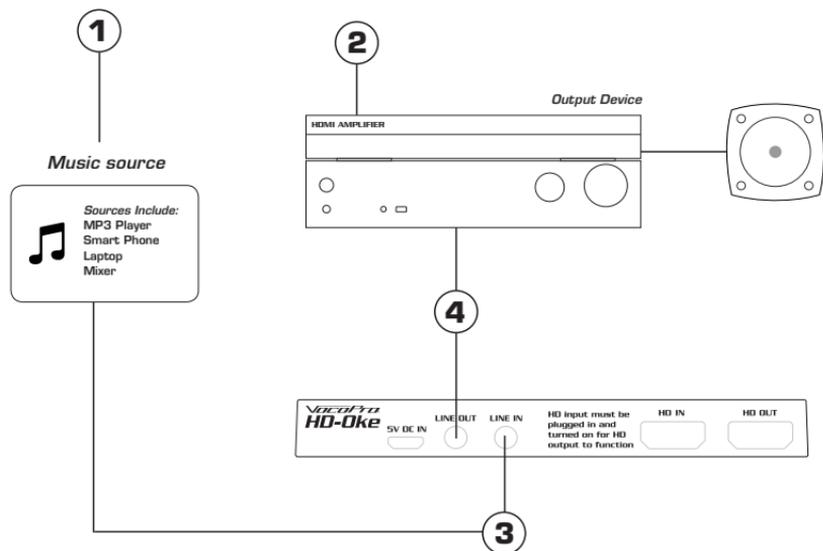
1. Identify the output on the music source.

- Potential music sources:
 - MP3 Player
 - Smart Phone
 - Laptop
 - Mixer
 - Any other device with an analog L/R out

2. Identify the input on the amplifier or powered speaker.

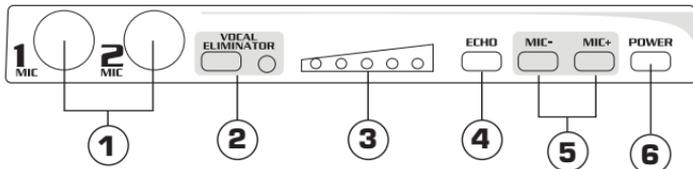
3. Connect a cable from the audio output on the music source to the 1/8" stereo jack labeled LINE IN located on the HD-Oke.

4. Connect an additional cable from the 1/8th stereo jack labeled LINE OUT on the back of the HD-Oke into the available INPUT located on the amplifier or powered speaker to be used.



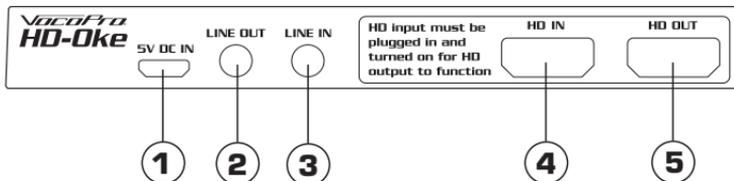
Descriptions and Functions

The HD-Oke is an HDMI enabled karaoke system and as such can be connected into a sound system two different ways: **Analog & Digital**



FRONT:

1. Microphone Inputs – These accept 1/4" microphone jacks for mic audio.
2. Vocal Eliminator - This attempts to remove the main vocal track from regular audio tracks.
3. Display – This shows the Echo effect and Mic volume levels.
4. Echo Effect – This applies varying degrees of microphone echo effect. The echo level is shown in the display.
5. MIC +/- These alter the microphone audio up and down.
6. Power – This turns the HD-Oke On/Off.



BACK:

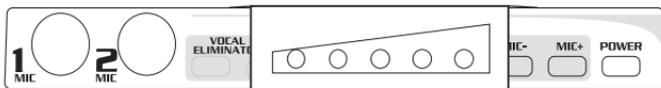
1. 5V DC In – Connect the power adapter here to power the unit.
2. Line Out – This accepts a stereo 1/8th jack to send the mic and music audio out to an analog amplifier/powerd speaker.
3. Line In – This accepts a stereo 1/8th jack to receive audio from the music source
4. HD IN – This accepts an HDMI cable to receive audio and video from the music source device.
 - Video signal is unused by the HD-Oke. It is passed through directly to the HDMI Out jack.
 - There must be a music source connected in order for microphone audio to be heard.
5. HD OUT – This accepts an HDMI cable to send the audio and video from the HD-Oke to a TV or digital amplifier.
 - There will be no microphone audio present in HD Out signal if there is no HD In connected.

Operations

The HD-Oke is designed for easy to use karaoke fun. Once the system is connected via the analog or digital connection, the music and microphone audio will be heard through the speakers of the output device.

The selection and playback of music is controlled by the music source and the HD-Oke would control microphone volume and the Echo effect level applied.

- Reading the Display:



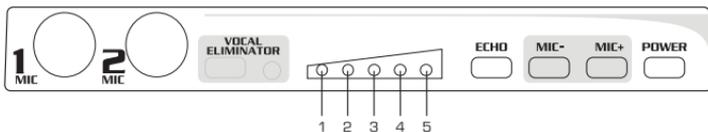
- The HD-Oke has 5 LEDs that show the microphone Echo effect level and the microphone volume levels. The number of LEDs displayed corresponds to the level of the setting being altered.

- Using the Microphones:

- The HD-Oke can accommodate up to two (2) wired microphones. Any microphone that uses an unbalanced 1/4" cable would be compatible. The microphones would be plugged into the Mic 1 and Mic 2 input jacks.

- Using the Echo Effects:

There are 5 levels of Echo effect available. The LED display would show the current Echo level when pressed.



1. Echo Level 1 would have a single LED showing
2. Echo Level 2 will show two LEDs
3. Echo Level 3 will show three LEDs
4. Echo Level 4 will show four LEDs
5. Echo Level 5 will show five LEDs

- Using the Vocal Eliminator:

The Vocal Eliminator function is toggled with the button located on the front of the HD-Oke. This feature will attempt to remove the main vocals from regular audio tracks. It does this by blocking the "Phantom Center". If the vocals of a track are primarily in the left or right fields, the vocals will still be heard. See Commonly Asked Questions for more info.

Commonly Asked Questions

1. Why is there a delay in the microphone audio?

- The Analog-to-Digital converter the microphone utilizes requires a small amount of time to process. The audio processing power of the output devices ultimately determines the length of the delay.
- Using an HDMI enabled audio receiver will minimize the delay the most (<.05 seconds).
- Using an HDMI enabled TV will result in a noticeable delay (>0.5 seconds).

2. Why is there no microphone?

- The HDMI In/Out are likely not connected. There will be no microphone audio if there is no HDMI In connection made.
- The microphone volume is turned down.
- Double-check the remaining connections.
- Double-check the microphone status.

3. What can I use as a music source?

- For the digital connection, the intended sources of music are: DVD/Karaoke Players, Laptop/Computers, internet streaming devices, or any device with an HDMI Output
- For the analog connection, the intended sources of music are: MP3 player, smartphones, tablets, mixer, or any device with an analog L/R output.

4. What is the Vocal Eliminator?

- This is an audio mode that will attempt to remove the main vocal track of any audio played through the HD-Oke.
- It works by blocking the "phantom center" of a stereo audio signal. If the vocals of a track are primarily in the left or right fields, the vocals will still be heard.
- The "phantom center" is a phenomenon that occurs when audio of equal volume enters both ears simultaneously to give the impression the sound is emanating from directly in front of the listener.

5. I'm missing some parts from my box. What can I do?

- Please contact VocoPro regarding any missing or defective parts at 800-678-5348.

Notes

Notes

