

Depusheng REV3900

Depusheng REV3900 Pre Effector Professional KTV Household Karaoke Multieffects Processors User Manual

MODEL: REV3900

1. INTRODUCTION

The Depusheng REV3900 Pre Effector is a professional-grade audio processor designed for both household and KTV karaoke environments. It integrates multi-effects processing, anti-howling technology, and versatile input options including USB and Bluetooth, providing a comprehensive solution for enhanced vocal performance and audio control.

This manual provides detailed instructions for setting up, operating, and maintaining your REV3900 Pre Effector to ensure optimal performance and longevity.

2. KEY FEATURES

- **Built-in Microphone Receiver:** Eliminates the need for external wiring, offering simple operation and a line-of-sight receiving range of up to 30 meters.
- **KTV Pre-stage Reverberation Effector:** Features a new upgrade with a built-in effect chip and Bluetooth connectivity for music streaming.
- **Multifunctional Input Ports:** Includes 2-way microphone input interfaces on both the front and rear panels, supporting microphone volume, bass, and treble adjustments. Optical fiber, Bluetooth, and USB audio inputs are also supported.
- **Intelligent One-button Howling Prevention:** Utilizes multi-point frequency shift technology to effectively suppress howling while preserving vocal clarity.
- **Various Music Parameter Fine-tuning:** Equipped with hidden metal adjustment knobs for detailed music and vocal adjustments, requiring only a single screw for access.
- **Wide Application:** Suitable for various occasions including weddings, concerts, bars, and outdoor performances.

3. WHAT'S IN THE BOX

- 1 x Depusheng REV3900 Pre-effect Processor
- 2 x Wireless Handheld Microphones

4. PRODUCT OVERVIEW

4.1 Front Panel

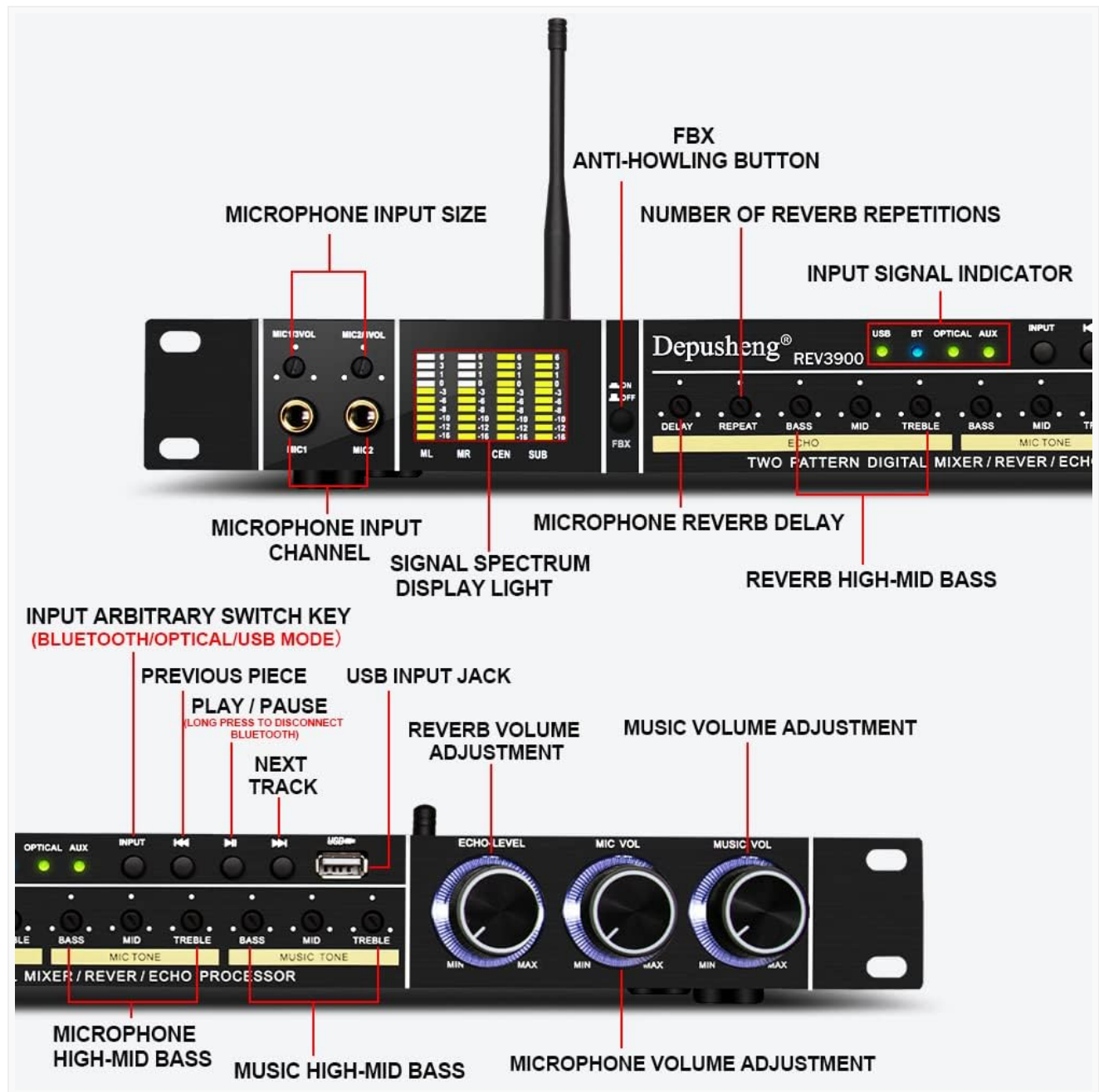


Figure 1: Front Panel Layout of REV3900 Pre Effector

This image displays the front panel of the Depusheng REV3900, highlighting various controls and indicators. Key elements include microphone input jacks, signal spectrum display lights, FBX anti-howling button, reverb delay and repeat controls, echo level, microphone volume, and music volume adjustments. Input indicators for USB, Bluetooth, Optical, and AUX are also visible.

- **MIC1/MIC2 Input Jacks:** Connect wired microphones or the included wireless microphone receiver.
- **MIC VOL Controls:** Adjust the volume for Microphone 1 and Microphone 2 independently.
- **Signal Spectrum Display:** Visual indicator for ML (Main Left), MR (Main Right), CEN (Center), and SUB (Subwoofer) output levels.
- **FBX Anti-Howling Button:** Activates or deactivates the intelligent one-button howling prevention feature.
- **Echo Controls (Delay, Repeat, Bass, Mid, Treble):** Adjust the characteristics of the echo effect for vocals.

- **Mic Tone Controls (Bass, Mid, Treble):** Adjust the tonal balance of the microphone input.
- **Input Selection (USB, BT, OPTICAL, AUX):** Buttons and indicators for selecting the audio input source.
- **Playback Controls (Previous, Play/Pause, Next):** For USB and Bluetooth audio playback.
- **USB Input Jack:** For connecting USB flash drives for music playback.
- **Echo Level Knob:** Adjusts the overall level of the echo effect.
- **Mic Vol Knob:** Adjusts the overall microphone volume.
- **Music Vol Knob:** Adjusts the overall music volume.

4.2 Rear Panel

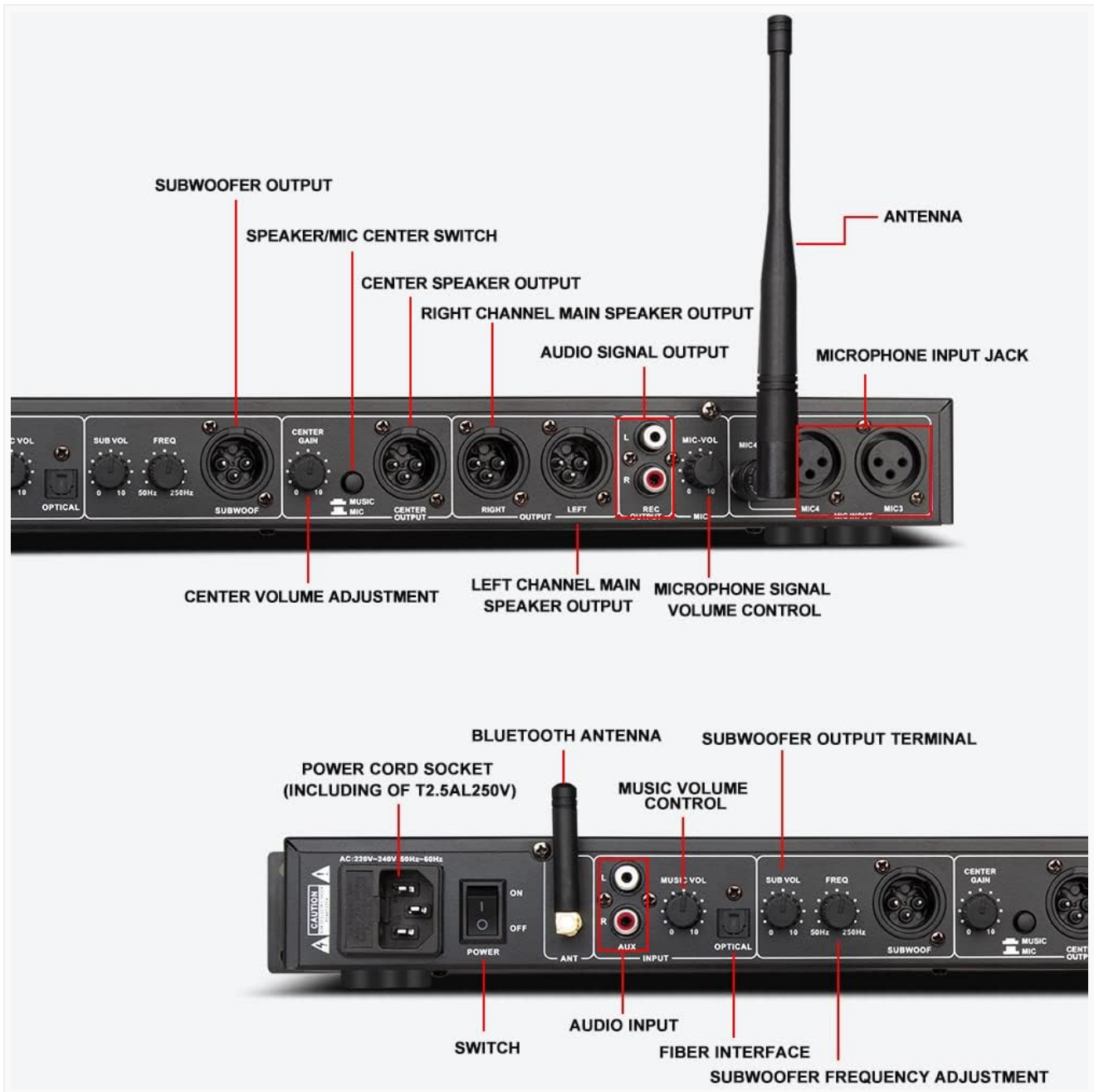


Figure 2: Rear Panel Layout of REV3900 Pre Effector

This image illustrates the rear panel of the Depusheng REV3900, detailing its various input and output ports. It shows the power cord socket, power switch, audio input (AUX, Optical), subwoofer output, speaker/mic center switch, center speaker output, right/left main speaker outputs, microphone input jacks (MIC3/MIC4), and the Bluetooth antenna connection.

- **Power Cord Socket:** Connects to AC power supply (110V AC).
- **Power Switch:** Turns the unit on or off.
- **ANT (Antenna):** For connecting the Bluetooth antenna.

- **AUX Input (RCA):** For connecting external audio sources via RCA cables.
- **Optical Input:** For connecting digital audio devices like TVs or media players using an optical cable to the **Optical Input**.
- **Subwoofer Output (XLR/RCA):** Connects to a subwoofer for enhanced bass. Includes Sub Vol and Freq controls.
- **Center Output (XLR):** Connects to a center speaker. Includes Center Gain control.
- **Music/Mic Switch:** Selects whether the center output carries music, microphone, or both.
- **Right/Left Output (XLR):** Main audio outputs for connecting to a power amplifier or active speakers.
- **REC Output (RCA):** For recording the mixed audio output.
- **MIC3/MIC4 Input Jacks (XLR):** Additional microphone input interfaces.

5. SETUP INSTRUCTIONS

Follow these steps to properly set up your Depusheng REV3900 Pre Effector:

5.1 Connecting to a Power Amplifier

The REV3900 acts as a pre-effector and requires connection to a power amplifier or active speakers for audio output.

1. Ensure both the REV3900 and your power amplifier are turned off.
2. Connect the **Right** and **Left Output** XLR ports on the rear panel of the REV3900 to the corresponding input channels (e.g., CH-R, CH-L) on your power amplifier using XLR cables.
3. Alternatively, you can use RCA cables to connect the **REC Output** on the REV3900 to an amplifier's input, though XLR is recommended for main outputs.
4. If using a subwoofer, connect the **Subwoofer Output** from the REV3900 to your subwoofer's input.
5. If using a center speaker, connect the **Center Output** from the REV3900 to your center speaker's input.

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Video 1: Professional Home KTV Audio Effector Setup Guide

This video demonstrates the physical connections for the Depusheng REV3900, including connecting XLR cables from the pre-effector to a power amplifier and RCA cables for additional audio input/output. It visually guides users through the process of setting up the audio system.

5.2 Connecting Audio Sources

The REV3900 supports multiple audio input methods:

- **Bluetooth:** Pair your smartphone or other Bluetooth-enabled device wirelessly.
- **Optical Fiber:** Connect digital audio devices like TVs or media players using an optical cable to the **Optical Input**.
- **USB:** Insert a USB flash drive into the **USB Input Jack** on the front panel for direct music playback.
- **AUX (RCA):** Connect analog audio devices like CD players or mixers using RCA cables to the **AUX Input** on the rear panel.

5.3 Connecting Microphones

The REV3900 comes with two wireless handheld microphones and supports additional wired microphones.

- For the included wireless microphones, ensure they are charged and powered on. The REV3900 has a built-in receiver.
- For wired microphones, connect them to the **MIC1/MIC2 Input Jacks** on the front panel (6.35mm jack) or **MIC3/MIC4 Input Jacks** on the rear panel (XLR).

6. OPERATING INSTRUCTIONS

Once all connections are made, you can begin operating your REV3900 Pre Effector.

6.1 Power On/Off

Locate the **Power Switch** on the rear panel and flip it to the 'ON' position. The front panel indicators will light up.

6.2 Music Playback

1. **Select Input Source:** Press the corresponding button (USB, BT, OPTICAL, AUX) on the front panel to select your desired audio input. The active input will be indicated by a lit LED.
2. **USB Playback:** Insert a USB flash drive with music files into the **USB Input Jack**. Use the playback controls (Previous, Play/Pause, Next) to navigate your music. Adjust the **Music Vol** knob to control the music volume.
3. **Bluetooth Playback:** Press the **BT** button. On your device, search for "Depusheng" or "REV3900" in your Bluetooth settings and pair. Once connected, play music from your device. Adjust the **Music Vol** knob.
4. **Optical/AUX Playback:** Ensure your external device is connected and playing. Adjust the **Music Vol** knob.

6.3 Microphone Usage and Adjustment

1. **Microphone Volume:** Adjust the individual **MIC VOL** knobs for MIC1/MIC2 on the front panel, and the overall **Mic Vol** knob to achieve desired microphone loudness.
2. **Echo Effect:** Use the **Echo controls (Delay, Repeat, Bass, Mid, Treble)** to customize the reverberation. The **Echo Level** knob controls the overall intensity of the echo.
3. **Microphone Tone:** Use the **Mic Tone controls (Bass, Mid, Treble)** to adjust the low, mid, and high frequencies of your microphone's sound.
4. **Anti-Howling:** Press the **FBX Anti-Howling Button** to activate the feedback suppression feature. This helps prevent unwanted microphone feedback.

6.4 Fine-tuning Parameters

The hidden metal adjustment knobs allow for precise tuning of music and vocal parameters. These are typically adjusted using a small screwdriver (not explicitly stated if included, but implied by "single screw").

- Adjust **Music Tone (Bass, Mid, Treble)** for the overall music sound.
- Adjust **Sub Vol** and **Freq** for the subwoofer output.
- Adjust **Center Gain** for the center speaker output.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Depusheng REV3900 Pre Effector, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the unit with a soft, dry cloth. Avoid using abrasive cleaners, waxes, or solvents as they may damage the finish.
- **Ventilation:** Ensure proper ventilation around the unit. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Power:** Always disconnect the power cord from the wall outlet before cleaning or if the unit will be unused for a long time.
- **Handling:** Handle the unit with care. Avoid dropping or subjecting it to strong impacts.

8. TROUBLESHOOTING

If you encounter issues with your REV3900, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none"> • Incorrect input selection. • Volume levels too low. • Loose or incorrect cable connections. • Power amplifier/speakers not powered on or faulty. 	<ul style="list-style-type: none"> • Verify the correct input source is selected (USB, BT, OPTICAL, AUX). • Increase Music Vol and Mic Vol knobs. • Check all audio cables (XLR, RCA, Optical) for secure connections. • Ensure your power amplifier and speakers are powered on and functioning correctly.
Microphone Feedback (Howling)	<ul style="list-style-type: none"> • Microphone too close to speakers. • Microphone volume too high. • FBX anti-howling feature not active. 	<ul style="list-style-type: none"> • Move microphones further away from speakers. • Reduce Mic Vol. • Activate the FBX Anti-Howling Button. • Adjust Mic Tone (Bass, Mid, Treble) to reduce problematic frequencies.
Bluetooth Connection Issues	<ul style="list-style-type: none"> • Device not in pairing mode. • Interference. • Incorrect device selected. 	<ul style="list-style-type: none"> • Ensure the REV3900 is in Bluetooth input mode. • Restart both the REV3900 and your Bluetooth device. • Ensure no other devices are connected to the REV3900 via Bluetooth. • Try pairing again.
USB Playback Not Working	<ul style="list-style-type: none"> • USB drive not properly inserted. • Unsupported file format. • Corrupted USB drive. 	<ul style="list-style-type: none"> • Ensure the USB drive is fully inserted into the USB Input Jack. • Check if the music files are in a supported format (e.g., MP3, WAV). • Try a different USB drive or reformat the current one.

If the problem persists after trying these solutions, please contact Depusheng customer support for further assistance.

9. SPECIFICATIONS

Specification	Value
Model Name	REV3900
Item Model Number	REV3900-M
Product Dimensions	5.3 x 18.9 x 1.57 inches

Specification	Value
Item Weight	8.03 pounds (3.65 Kilograms)
Color	Black
Material Type	Metal
Power Source	Corded Electric
Voltage	110 Volts (AC)
Compatible Devices	Amplifier, Speaker
Signal Format	Analog, Digital
Connectivity Technology	Bluetooth, Optical fiber, RCA, 6.35MM jack, XLR, UHF, USB

10. WARRANTY & SUPPORT

Depusheng products are manufactured to the highest quality standards. For information regarding warranty coverage, technical support, or service inquiries, please refer to the contact information provided with your product packaging or visit the official Depusheng website.

Please retain your proof of purchase for any warranty claims.