

Ready2Talk

Dealer Bulletin

Feb. 24 - 2016 (updated June 5/18)

Sound Delay on Jensen VX 7010 / JRV 9000 Stereo / VM9726BT PowerAcoustik PDN 626B

Complaint:

Sound delay or echo when using PA 5 series system connected into the AUX input on Jensen V Series stereos. (e.g. JRV 9000 and PowerAcoustik PDN 626)

Issue:

We have been notified by a number of customers of an echo when using our original PA 5 series PA systems with the Jensen VX and JVR “V Series” stereos installed in new busses. When the PA 5 systems are connected into the either the front 3.5mm or rear RCA AUX inputs, there is an annoying .5 – 1 second sound delay or echo.

During testing, we determined that the delay is caused by the latency of the digital circuitry design in the Jensen V Series stereos and in other derivatives like the PowerAcoustik. As often in the industry, the same or similar stereo chassis is being rebranded such as PowerAcoustiks so this issue will also come up with other stereo makes. (See pics below)

When playing music from an MP3 player, there is no time reference so the delay problem isn't noticeable, but it becomes an issue when using the PA 5 with a microphone as you can hear yourself talking, then your voice coming out of the speakers 1 second later.

The sound delay issue means that connecting a PA 5 series into the stereo's AUX input (that has been used for years) is no longer compatible with these stereos. These new stereos are now commonly used by many mini bus manufacturers so it is important to alert everyone. It is also expected that this issue will become even more prevalent as more aftermarket and OEM stereo manufacturers offer features like Sat Nav and adopt this digital design of internal circuitry.



Solution:

Luckily, there are 2 options to deal with this issue:

1. Replace the stereo with another model that doesn't use the digital internal circuitry. Often this means a lower cost stereo, but a step down in functions... do you really need Sat Nav in your bus?
2. The other option is; rather than connect your PA into the stereo, to connect your stereo into the PA. We also offer our PA 64 amplified PA system that connects to any stereo, OEM or aftermarket. Because the mics are connected to the PA 64 and it is installed after the stereo, the sound delay issue is eliminated.

Advantages of installing our PA 64:

- Eliminates the delay issue 100%
- Connects to ANY stereo, factory or aftermarket.
- No matter what you are listening to, when the mic is turned on the PA system will mute the sound automatically. AND unique to the PA 64, it offers adjustable muting from 0% to 100% just turn the mute adjustment knob on the front of the PA 64.
- Using any Ready2Talk PA system allows the use of ALL our lower cost / better sounding condenser style microphone options from hand mic to headset, wired to wireless. (please see www.ready2talkpa.com for more information for all our microphone options)
- This is an easy solution that offers a much better sound quality overall and allows simplicity of operation.
- The PA 64 is a universal PA choice as it can be used in any vehicle for any application. Should the bus get repurposed in the future, just change your mic from a hand mic to a headset as a plug and play option.

Wrapping up

Although our PA 5 series PA systems have been a great plug and play option for many users, changes are often required based on need. We at Ready2Talk pride ourselves on continually designing new products based on our customers' needs, like the PA 64.

I hope this has helped explain the issue and the solution options. Please contact us if you have ANY questions. Thank you for your continued support.

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