



Intercom Options

There is a dramatic interest in 2 Way Intercoms. In the past, most requests were directed towards, transit, commercial crummies (worker carriers), mobility shuttles and interactive tours, but now with solid Covid barriers, interest in 2 way intercoms has increased exponentially for many other uses.

In addition, California has instigated a law requiring two way communication between the driver and passengers if there is a solid separation barrier. Failure to comply can generate a costly fine.

Solution

The PA 64 includes 2 mic inputs, so you can connect multiple microphones with no performance loss. This makes the PA 64 an out of the box 2 way intercom platform and easy to install. Being "Full Duplex" when any mic is used, all parties can be heard confirming their operation.

The PA 64 can be connected two ways, so the stereo can be played throughout the system or as a separate standalone intercom.

Microphone Options

Driver

Driver microphones are often as simple as a PSM 6C CB style hand mic for momentary announcements. For a touchless mic option, a GN 17C gooseneck mic are generally installed for shuttle on transit applications.

For tourism, generally a headset mic option, using a HM 40M a wired headset, or HS BT3 wireless headset.

Passenger Area

Rear microphones can vary dramatically depending on the vehicles use e.g. shuttle, transit, mobility, limo or tourism. Also, if the mic is intended for emergency use only, or for tourism, where the customers are encouraged to frequently ask the driver questions.

Because the Ready2Talk PA 64 system allows many microphones to be connected together, all the following 2 Way intercom options use off the shelf items and are plug and play. Multiple mics can be daisy chained together using our 4P YA "Y mic adaptors"

Emergency Use

For Commercial people movers – Crummies, often one or two simple PHM 6C CB style hand mics are installed as a basic / obvious option to communicate with the driver.

For transit, limo, shuttle applications, many ST 1C wall mounted mic (inc. a RED panic button) can be easily daisy chained together based on the number of rows of seats.

Mobility Shuttle

Mobility transport vehicles can be very personal, from the more public transit shuttle types to personal transportation vans. The mic decision is generally determined by the mobility of the user. The ST 1C wall mount can be useful if the rider is close to the wall. If that is not applicable, often a GN 17 gooseneck mic can be positioned in front of the passenger's mouth and locked in the on position.

Tourism

In most cases, 2 way intercom / microphone use is encouraged as a way to offer interactive dialogue from your guide to your guests and from your guest asking questions to your driver guide. In most cases, one or two HM 36C wired singers style mics are suggested, depending on the vehicle size. As a premier option, our HM BT3 wireless singer style hand mics are easily passed around from guest to guest.

Wrapping up

Whether you are a private owner of a custom mobility van, tour operator offering innovative tours, a transit authority or shuttle operator requiring emergency communications, with Ready2Talk 2 Way intercom systems are no longer a mystery.

Links to products mentioned above

<https://ready2talkpa.com/product/pa-64-amplified-pa-system/>

<https://ready2talkpa.com/product/phm-6c-hand-mic-for-pa-64-amplified-pa/>

<https://ready2talkpa.com/product/gn-17c/>

<https://ready2talkpa.com/product/hs-40m-right-side-headset-with-on-off-switch/>

<https://ready2talkpa.com/product/hs-bt3-digital-wireless-headset/>

<https://ready2talkpa.com/product/mic-y-adaptor/>

<https://ready2talkpa.com/product/st-1c-wall-mounted-mic-with-momentary-call-button/>

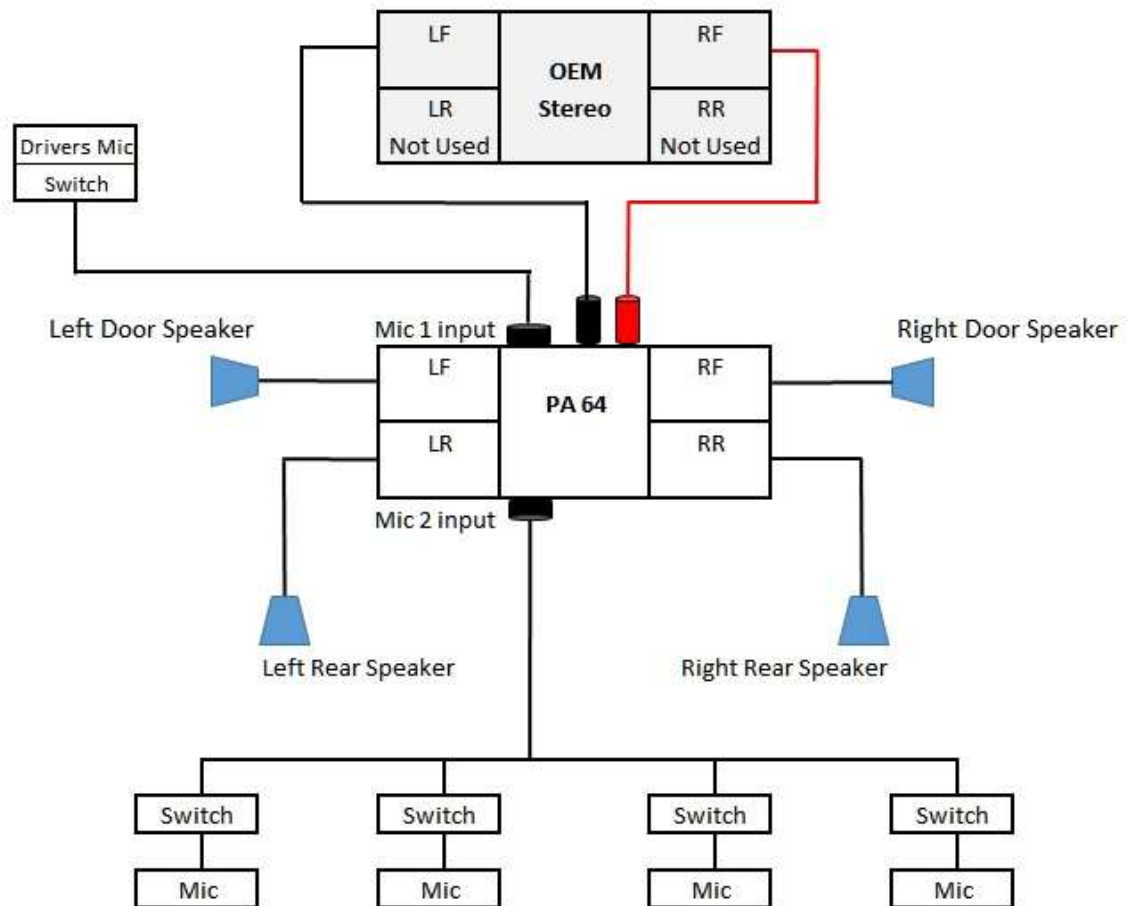
<https://ready2talkpa.com/product/hm-36-hand-mic-for-pa-64-amplified-pa/>

<https://ready2talkpa.com/product/hm-bt3/>

Below are the two main configuration options list in points 1 &2 above. If you require additional configurations, please give us a call at 1 888 724-5351

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Intercom Option 1 - PA 64 to OEM Stereo Connection



NOTE:

When connecting to OEM stereo speaker outputs, use the RCA - wire pigtails and set input switch to **HIGH**

When connecting aftermarket stereo RCA outputs, set the input switch to **LOW**

No Speakers are connected to the stereo, all speakers are connected to the PA 64

When connecting more than 4 speakers, please see wiring diagrams in the PA 64 owners manual

Speaker impedance must not be lower than 4 Ohms!

There is a front / rear level adjustment inside the PA 64 to preset the volume levels for both areas

How Things Will Work:

When turned on, the stereo will equally play through both front and rear speakers as normal. If you require the stereo to play through the front speakers only, please contact us for additional diagrams.

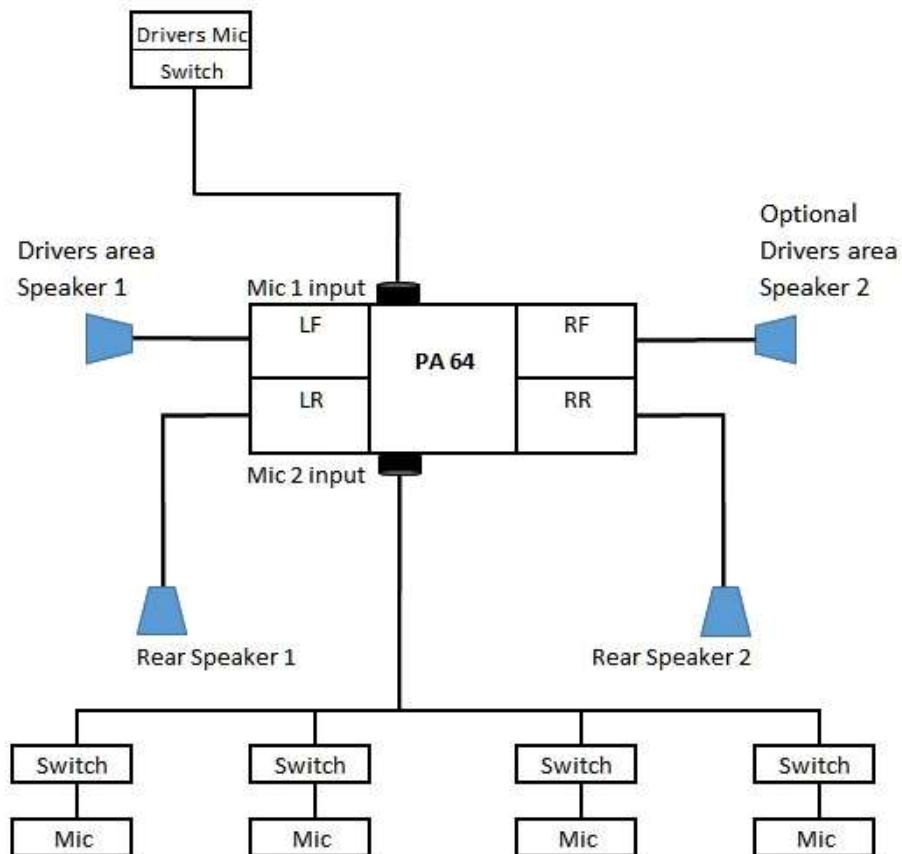
When either front or rear mics are turned on the stereo will mute 0% to 100%, depending the setting of PA 64's "Audio Mute" control.

When talking into either the front or rear mics, your voice will be heard through all speakers equally.

This confirms to all parties that they are being heard.

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Intercom Option 2 - PA 64 as a Standalone Intercom



NOTE:

Since the PA 64 intercom is not connected to any of the vehicles audio system, stereo or speakers, the Intercom is completely independent.

Separate speakers are required to be connected to the PA 64 intercom. Generally 1 or 2 in the front drivers area and it is recommended to have 2 or more speakers to evenly distribute the sound in the larger rear passengers area.

Speaker impedance must not be lower than 4 Ohms!

There is a front / rear level adjustment inside the PA 64 to preset the volume levels for both areas

Up to 8 mics can be daisy chained together all with independent mic switches

How Things Will Work:

When talking into either the front or rear mics, your voice will be heard through all speakers equally. This confirms to all parties that they are being heard.

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