



Intercom Options

There has been a growing interest in intercoms over the past few years, so Ready2Talk has designed and tested a couple options with more to come in 2021.

Most requests were directed towards, commercial crummies (worker carriers), handicap shuttles and interactive tours, but now with solid Covid barriers, interest in two way intercoms has increased exponentially. It has also come to our attention that there is a law in California requiring two way communication whenever there is a solid separation barrier is between the driver and passenger area. Failure to comply can generate a costly fine.

There are two general intercoms designs, Simplex, meaning only one party talks while the other listens and Full Duplex, meaning both parties can talk and be heard at the same time. All Ready2Talk Intercom options are Full Duplex.

When we released our PA 64 amplified system in 2017, it offered 2 x mic inputs and was designed to be a high performing PA system, but it also accepts multiple microphones with no performance loss. This makes the PA 64 an out of the box two way intercom platform and easy to install. The only design questions are based on the following individual needs.

1. Do you connect the PA 64 to the vehicles stereo and existing speakers? Then both the front and rear areas of the vehicle could listen to the stereo, if required.
2. Do you install the PA 64 as a stand-alone intercom with its own separate speakers? Configured this way, the PA 64 is only used to communicate front to back and back to front and is completely isolated from the existing stereo operation.
3. Next is to determine the microphone style best suited for the operation of the driver and the rear occupants? E.g. The driver uses a hand mic, headset or gooseneck mic based on how often the driver will be talking and if Hands Free Driving Laws are in effect in your area. The passenger options are, hand mic (communications or singers style), gooseneck mic, wall or ceiling mounted button mics. The decision often depends if the passengers are fixed in a designated location or can choose their own seating position?
4. Last is selecting the mic switch? Is your passenger able to turn on the mic at will, or due to mobility limitations, is it better to have a fixed mic close to the passenger's mouth and lock the mic on permanently for fully hands free operation?

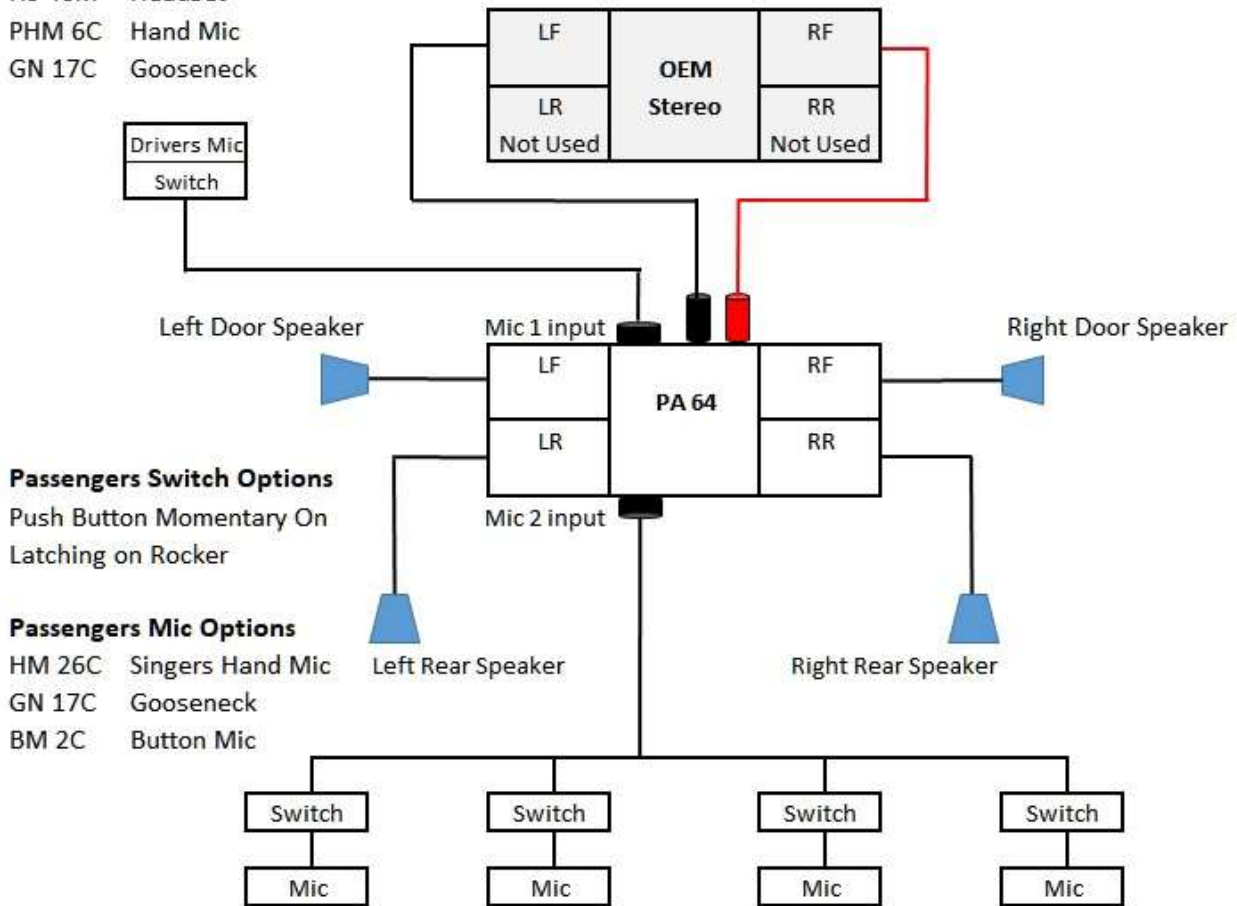
Below are the two main configuration options list in points 1 &2 above. If you require additional configurations, please give us a call at 1 888 724-5351

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Intercom Option 1 - PA 64 to OEM Stereo Connection

Drivers Mic Options

- HS 46M Headset
- PHM 6C Hand Mic
- GN 17C Gooseneck



Passengers Switch Options

- Push Button Momentary On
- Latching on Rocker

Passengers Mic Options

- HM 26C Singers Hand Mic
- GN 17C Gooseneck
- BM 2C Button Mic

NOTE:

When connecting to OEM stereo speaker outputs, use the RCA - wire pigtailed 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 on the setting of PA 64's "Audio Mute" control.

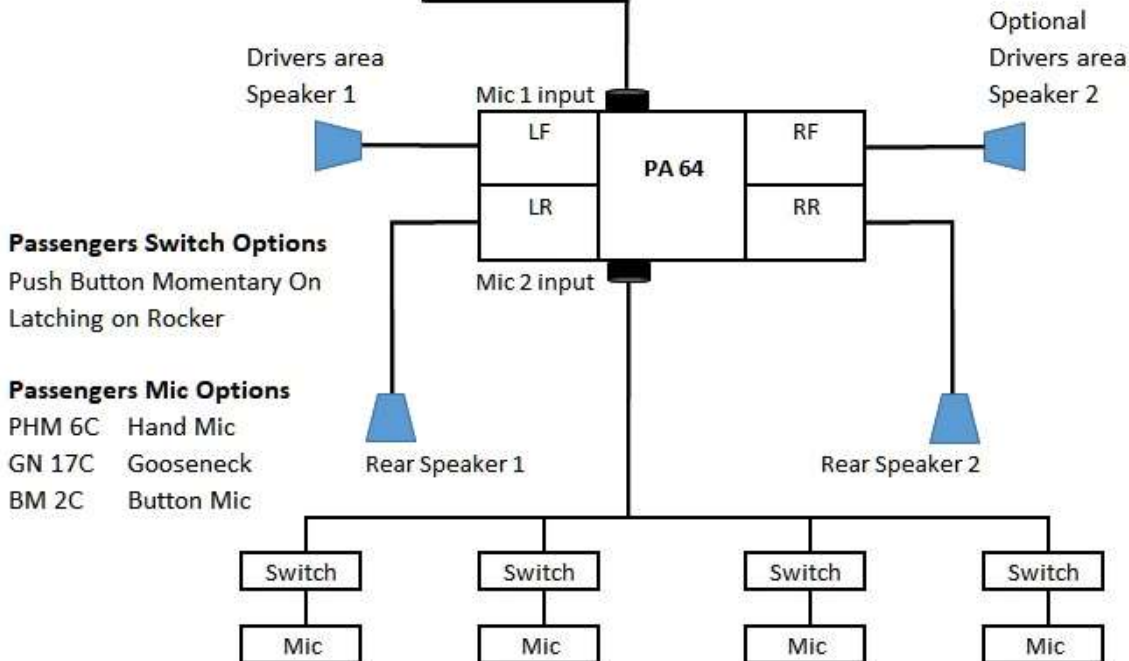
When talking into either the front or rear mics, your voice will be heard through all speakers equally. This confirms to all parties that they are being heard.

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Intercom Option 2 - PA 64 as a Standalone Intercom

Drivers Mic Options

HS 46M Headset
PHM 6C Hand Mic
GN 17C Gooseneck



Passengers Switch Options

Push Button Momentary On
Latching on Rocker

Passengers Mic Options

PHM 6C Hand Mic
GN 17C Gooseneck
BM 2C Button Mic

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.