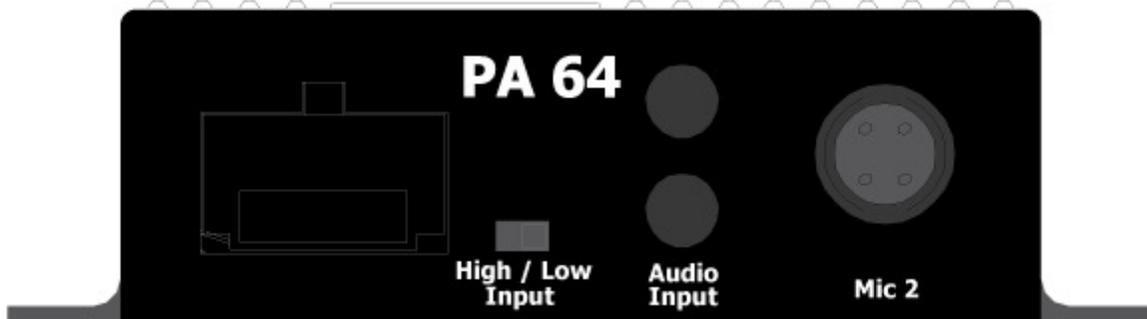
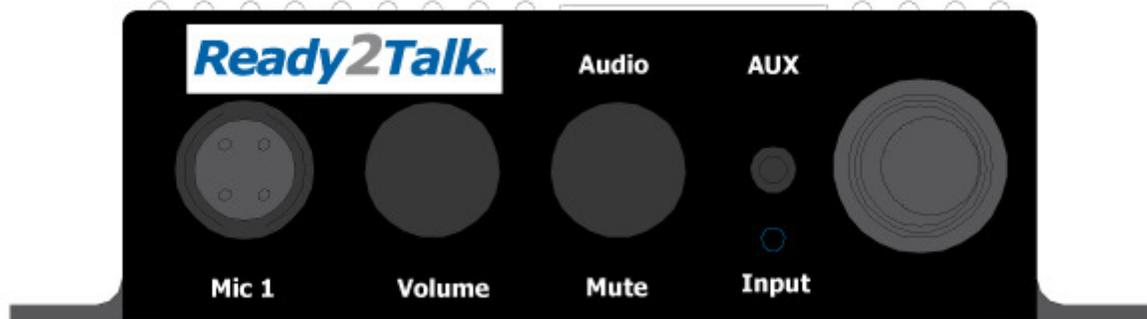


Ready2Talk™

PA 64

Installation & Operation Manual



The PA for ALL applications!

IMPORTANT!

Only use with Ready2Talk microphones...
Use of any others may cause damage.

Warning

The PA 64 is intended to be installed by a professional installer, service mechanic, vehicle dealer or manufacturer. Do not attempt to install this unit without confirming compatibility to your vehicle with the manufacturer or dealer. Failure to do so may cause damage to the PA 64, your vehicles electrical system or void your vehicle warranty.

Now with the warnings out of the way...

The PA 64 is designed to be the best unit for all applications, offering a real amplifier with 4x50Watts (peak), solid state mic / stereo switching and variable muting for both the rear RCA input and the front 3.5mm AUX input.

It also allows the use of two microphones, hand or headset, wired or wireless; and is the perfect PA system for Sightseeing, Shuttle, Transit, School Bus, Church Busses, Retirement Homes, People Movers, Boats, Trolleys, Snow Cats and Horse Carriages. Did we forget anything? Oh yes... also an easy replacement for older PA systems in Highway Coaches.

Use the PA 64 as a standalone PA system or in conjunction with your factory (OEM) stereo or any aftermarket stereo / DVD player or automated tour system by using the internal High / Low impedance selector. Don't forget you can connect your MP3 player though the front AUX input.

It can be mounted on any flat surface vertical or horizontal and includes an optional front decal so the printing will always be the right way around.

Want to hide it away? There is an optional RMK (Remote Mounting Kit) and a RME (Rear Mic Extension) for a second mic when using a step on guide.

Easy to connect, easy to use and is better sounding than any other PA you've heard before. Finally, you too can sound like a radio DJ.

*sound effects not included.

PA 64 Wiring Code

Ready2Talk		PA 64
		Amplified PA system
Power Wire Color Codes		
12V + Battery	Yellow	
12V + Switched	Red	
12V - Ground	Black	
Speaker Wire Color Codes		
Right Front +	Gray	
Right Front -	Gray / Black	
Left Front +	White	
Left Front -	White / Black	
Right Rear +	Purple	
Right Rear -	Purple / Black	
Left Rear +	Green	
Left Rear -	Green / Black	

Additional Wiring Info

Yellow 12V + Constant power - 10 Amp fuse in the plug base
Red 12V + Accessory power – Internal automatic re-settable fuse

Note: Never increase the value of the fuses as damage may occur.

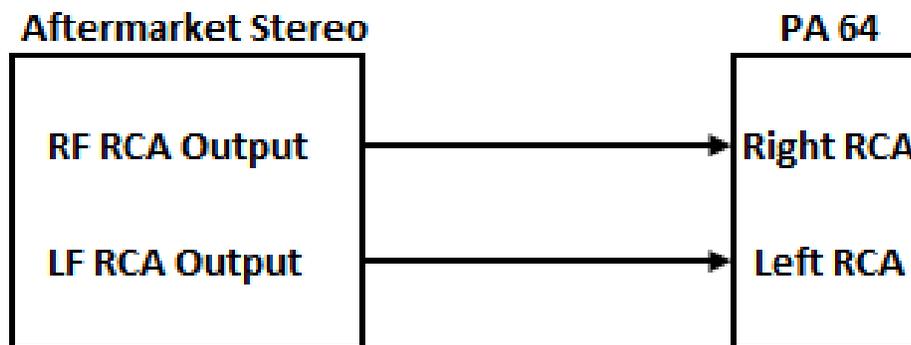
RCA "Audio Input" sockets on the rear of the PA 64 are designed for dual level input. Put the switch in "High" position when connecting to a factory (OEM) stereo speaker output and "Low" position for a RCA source.

The 4 x 50 Watt amplifier inside the PA 64 is designed to accommodate a 4 – 8 Ohm floating speaker load and offers four separate audio outputs.

Generally, you would use the speaker code above (also listed on the bottom of the PA 64). However, you can connect more speakers using a combination of series / parallel speaker wiring. Please see the next pages for different wiring options.

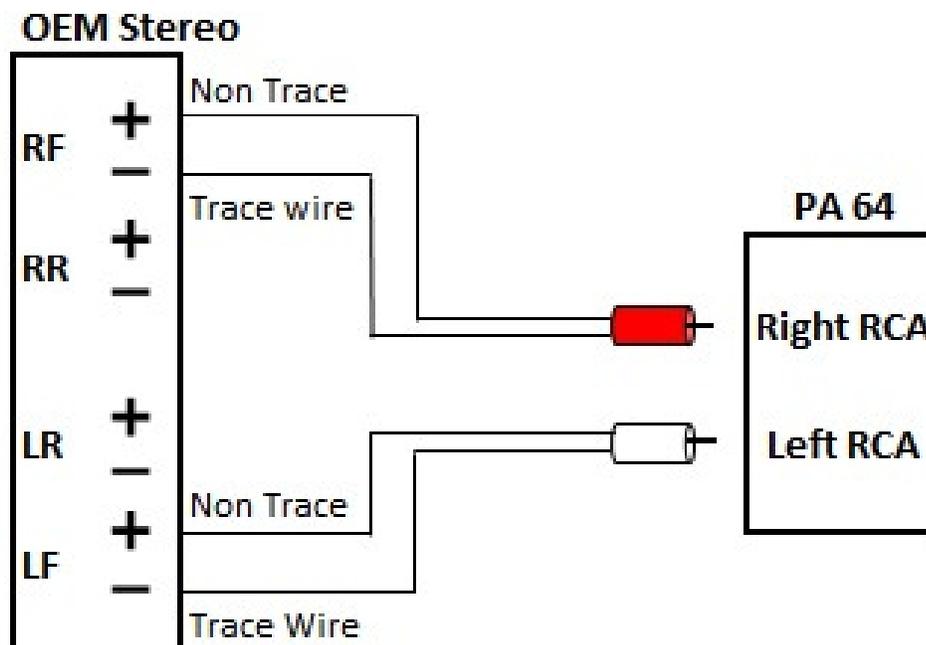
Stereo Connection Options

Connection to After Market Stereo Through RCA



Note: Set Input Switch on PA 64 to "Low"

Connection to OEM Stereo Through Speaker Wires



Note: Set Input Switch on PA 64 to "High"

Rear speaker wires from the stereo are not used

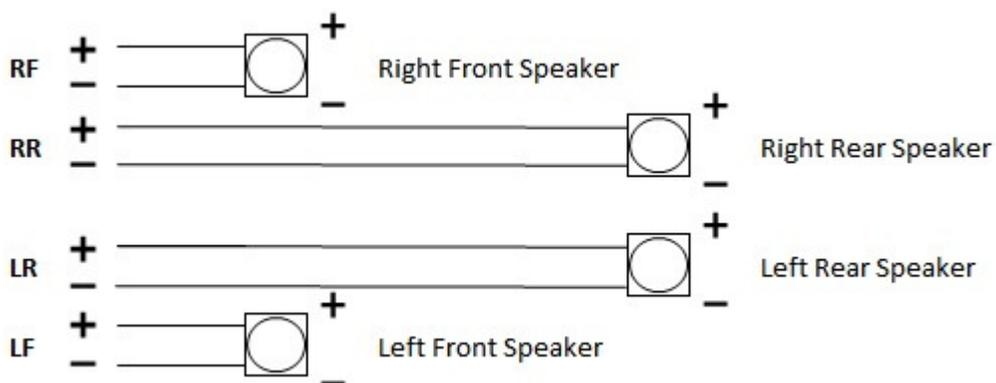
Speaker Connection Options

Note: The PA 64 amplifier uses a floating output. **Please ensure your speakers are not common grounded or connected to the vehicle ground as damage will occur to the PA 64 and will not be covered by warranty!**

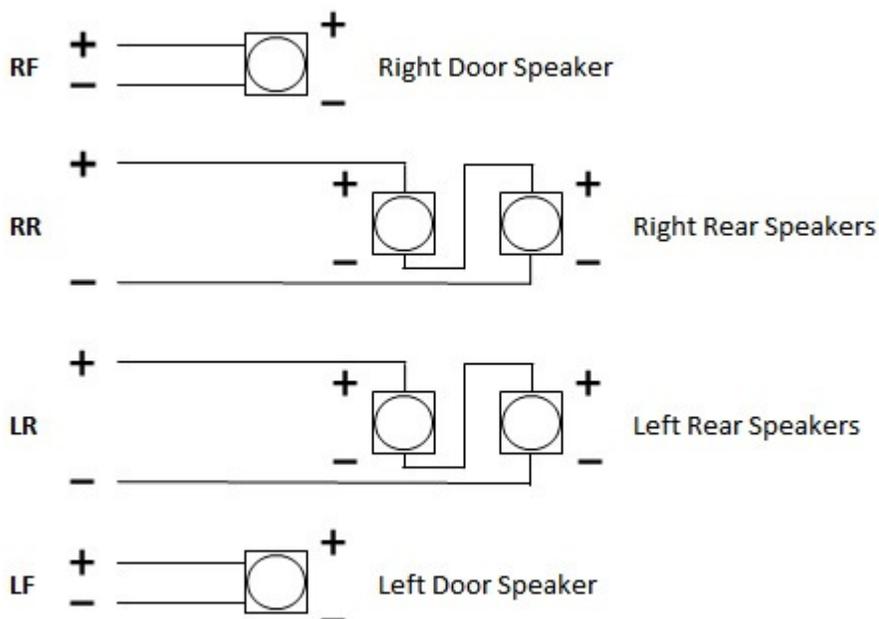
Note: The PA 64 is designed for speaker loads between 4 – 8 Ohms

Note: All "Speaker Connection Options" are based on the use of 4 Ohm speakers and will range from 4 – 8 Ohm load to the PA 64 amplifier.

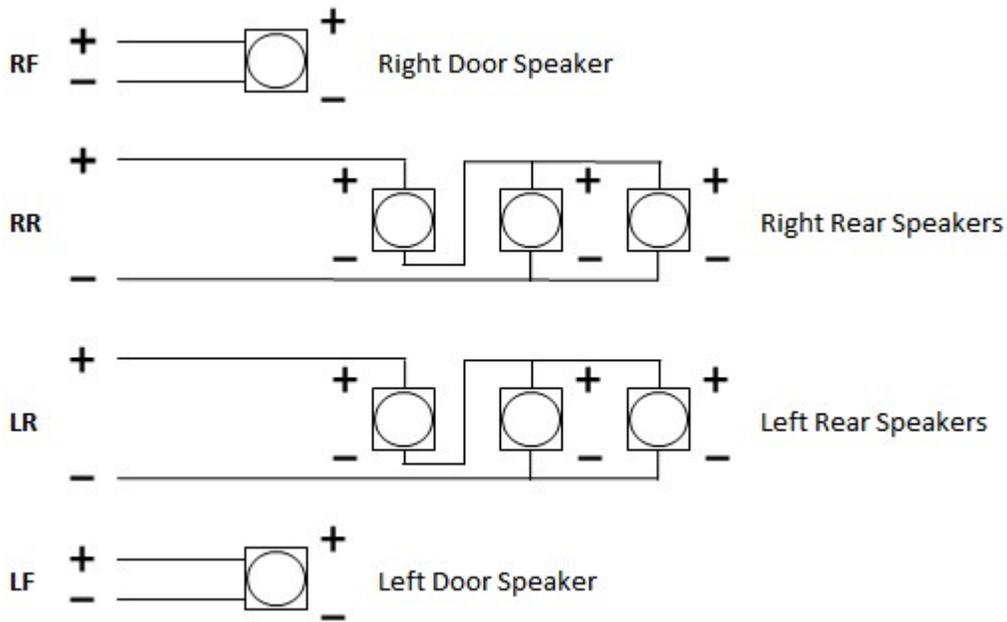
Normal 4 Speaker Option



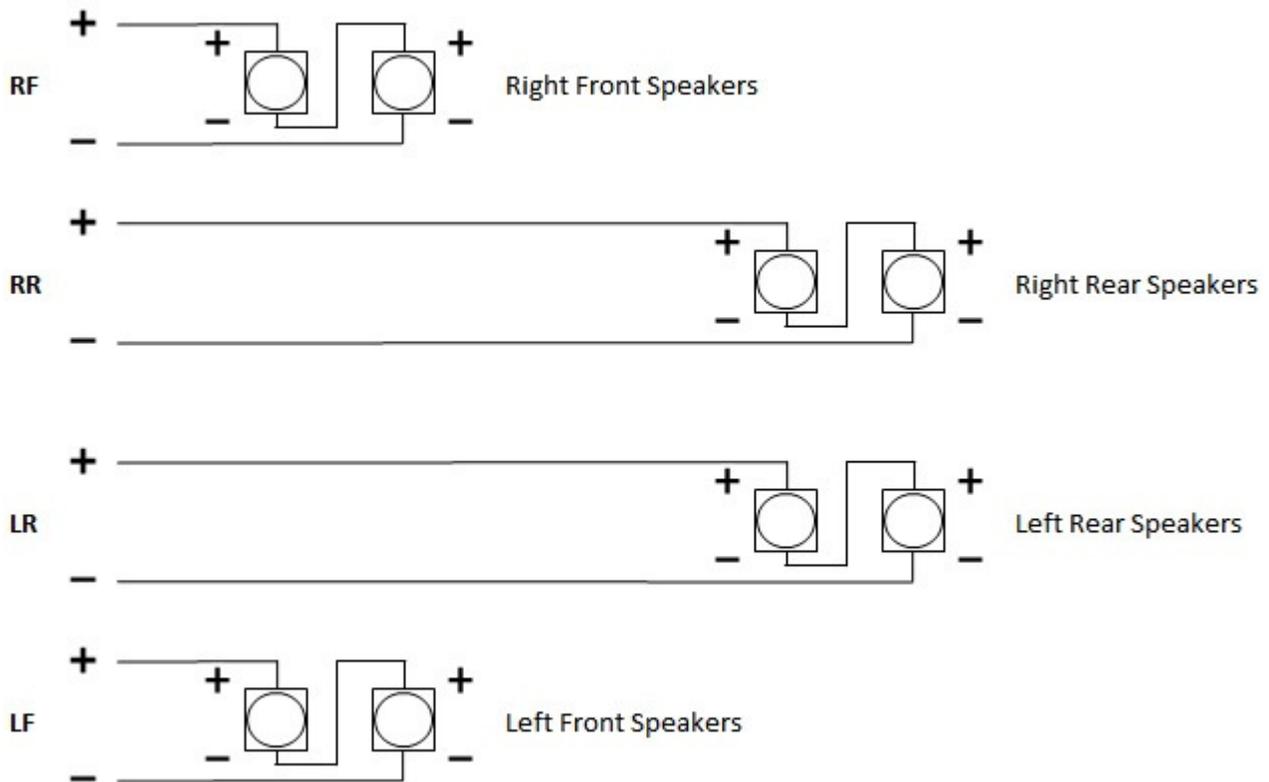
Cutaway Bus 6 Speaker Option Using Drivers Speakers



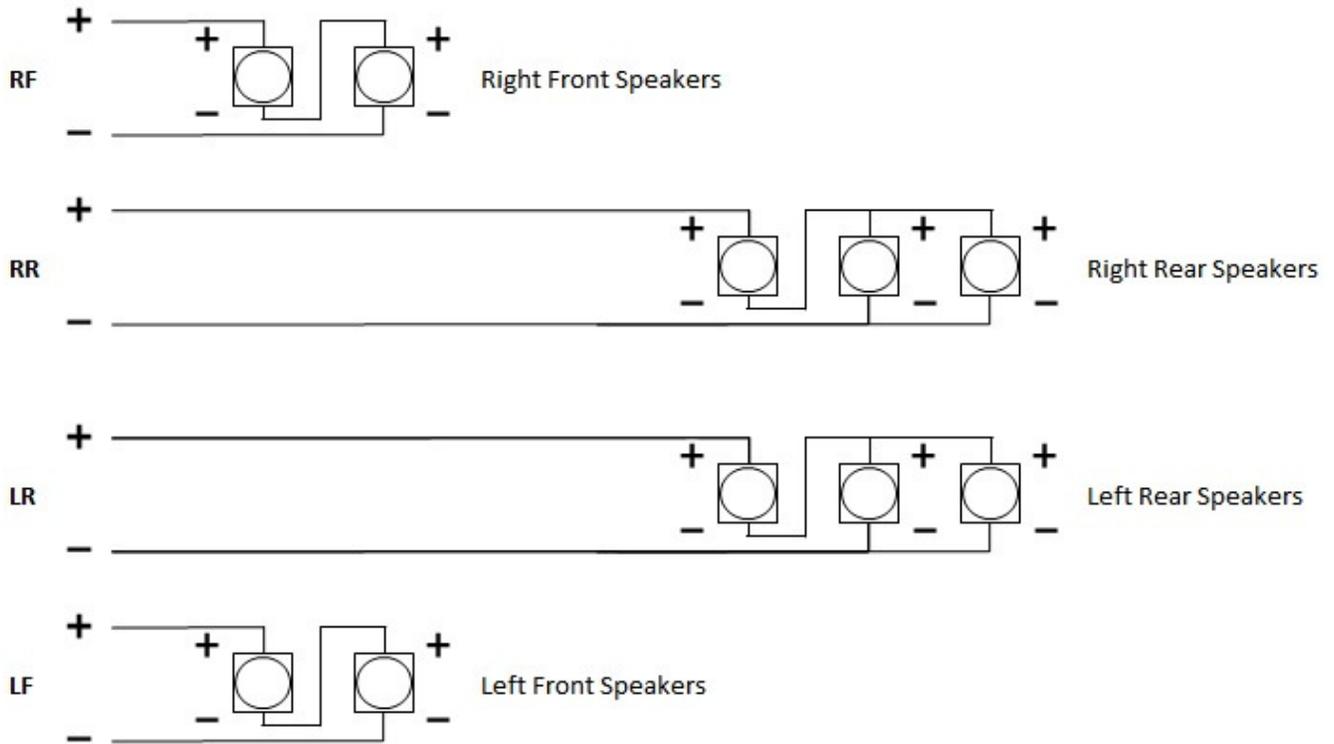
Cutaway Bus 8 Speaker Option with Door Speakers



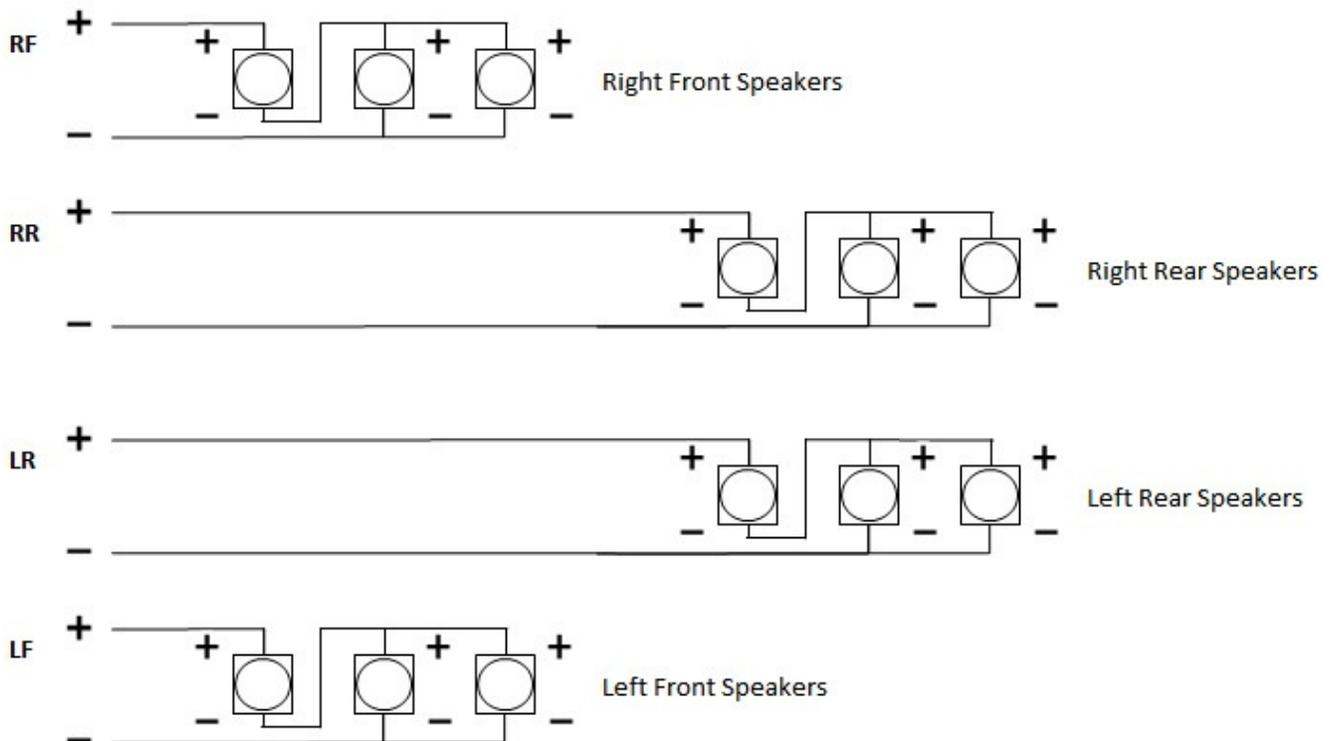
Cutaway Bus 8 Speaker Option without Door Speakers



Bus 10 Speaker Option without Door Speakers



Bus 12 Speaker Option without Door Speakers



Connection to an Aftermarket Stereo and Testing

1. After connecting your PA 64 to power and speakers, plug in a microphone, turn ON the mic switch, talk normally and set your mic volume using the front mounted "Volume" knob on the PA 64. Now you have confirmed the PA 64 is functioning.
2. Set the "High /Low Input" switch on the back of the PA 64 to Low and then connect the "Audio Output" RCA from your stereo to the "Audio Input" RCA on the PA 64.
3. Turn OFF the mic switch then adjust the volume on your stereo to the desired level.
4. Set the "Audio Mute" knob on the front of the PA 64 half way (line pointed up) and then turn ON the microphone switch, your stereo volume will automatically reduce by half. Adjust by turning the "Audio Mute" knob fully counter clockwise = no muting and / or fully clockwise = full stereo muting.
5. When playing music from your MP3 player through the front "AUX input", the muting will function the same as listed above in #4.

Note: With the mic switch in the OFF position the front controls on the PA 64 will not function. This is normal.

Connection to a Factory (OEM) Stereo and Testing

1. After connecting your PA 64 to power and speakers, plug in a microphone, turn ON the mic switch, talk normally and set your mic volume using the front mounted "Volume" knob on the PA 64. Now you have confirmed the PA 64 is functioning.
2. Set the "High /Low Input" switch on the back of the PA 64 to High, then connect your right and left speaker wires from your OEM stereo to the RCA / Speaker Wire adaptor plugs (included in the box), then connect the adaptor plugs to the RCA "Audio Input" on the PA 64.
3. Turn OFF the mic switch then adjust the volume on your stereo to the desired level

4. Set the "Audio Mute" knob on the front of the PA 64 half way (line pointed up) and then turn ON the microphone switch, your stereo volume will automatically reduce by half. Adjust by turning the "Audio Mute" knob fully counter clockwise = no muting and / or fully clockwise = full stereo muting.
5. When playing music from your MP3 player through the front "AUX input", the muting will function the same as listed above in #4.

Note: With the mic switch in the OFF position the front controls on the PA 64 will not function. This is normal.

Basic Operation

Once your PA 64 is properly installed, the operation is quite simple!

Start your vehicle, ensure the power switch on the PA 64 is turned on (the blue power LED will light), connect a microphone, turn ON the mic and start talking. You can adjust the volume of you voice by adjusting the "Volume" knob on the front of the PA 64.

If you want to play music from your stereo, just turn on the stereo and set your volume to suit. When the microphone is turned on, the stereo volume will automatically mute. You may adjust the amount of stereo muting by turning the "Audio Mute" knob on the front of the PA 64 from 0% (counter clockwise) - no muting to 100% (clockwise) - full muting. Turn the microphone OFF and the stereo volume will come back up to the level you originally set.

If you wish to play music from your MP3 player, just plug your MP3 player into the 3.5mm "AUX Input" socket on the front of the PA 64 and set your desired volume.

Note: It is recommended to start with your MP3 player at ½ volume to start and adjust your volume on the device from there.

If you have the stereo on AND your MP3 player connected at the same time, the PA 64 will blend the two audio sources.

Options

Your PA 64 has a number of options to meet your needs... this is what makes the PA 64 "the PA system for ALL applications".

Optional Front Decal Depending on your vehicle, it may be best to mount the PA 64 either vertically or upside down. We have included an additional front label that is reversed which allows the printing to show the correct way.

RMK (Remote Mount Kit) A small flush mounted plate with a 4 pin mic and 3.5mm AUX input socket and 5 ft. cable that connects to the front mics and AUX sockets allowing you to hide your PA 64 for a custom look.

RME (Rear Mic Extension) A small flush mounted plate with a 4 pin mic socket and 15 ft. cable that connects to the back of the PA 64 and offers a second mic input when you want to have a step on guide.

Hand Microphones

HM BT2 Digital wireless headset that offers over 30 ft. range and 12 hrs. continuous operation between charges, but charges fully in 6 hrs.

PHM 6C Standard Push to Talk hand mic (PTT) with rubber curly cord

HM 2C Durable singers style hand mic with 12 ft. mic cable

Headset Microphones

HS BT2 Digital Wireless Headset that offers over 30 ft. range with 8 hrs. continuous operation between charges, but charges fully in 4 hrs.

HS 30M Lightweight but durable condenser headset microphone with inline On/Off switch with the wire and boom on LEFT side

HS 40M Same as HS 30M except with switch wire and boom on RIGHT side

Gooseneck Microphone

GN 17R 17" Condenser gooseneck mic with a dual function (latching and momentary on) dash mounted rocker switch

GN 17F 17" Condenser gooseneck mic with a durable foot switch

For more information

finds us at

[*www.ready2talkpa.com*](http://www.ready2talkpa.com)

or give us a call at

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