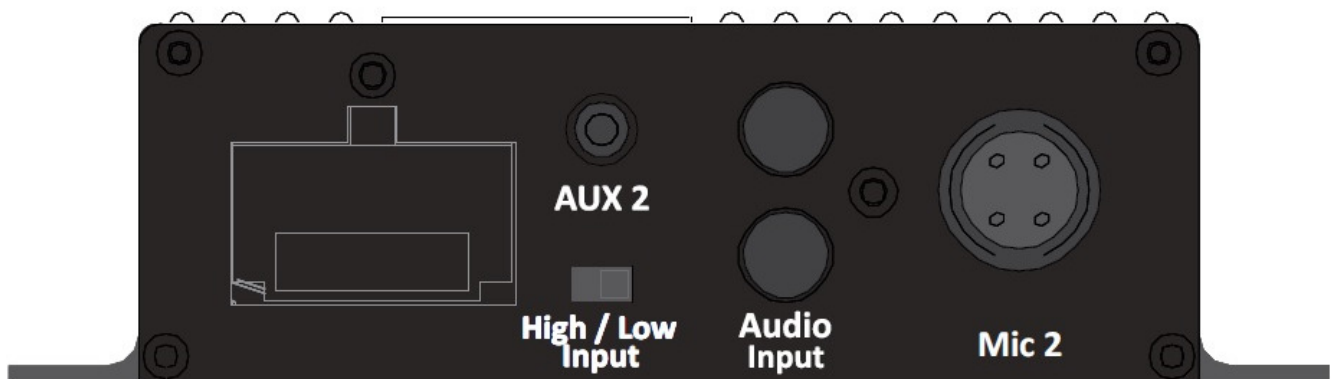
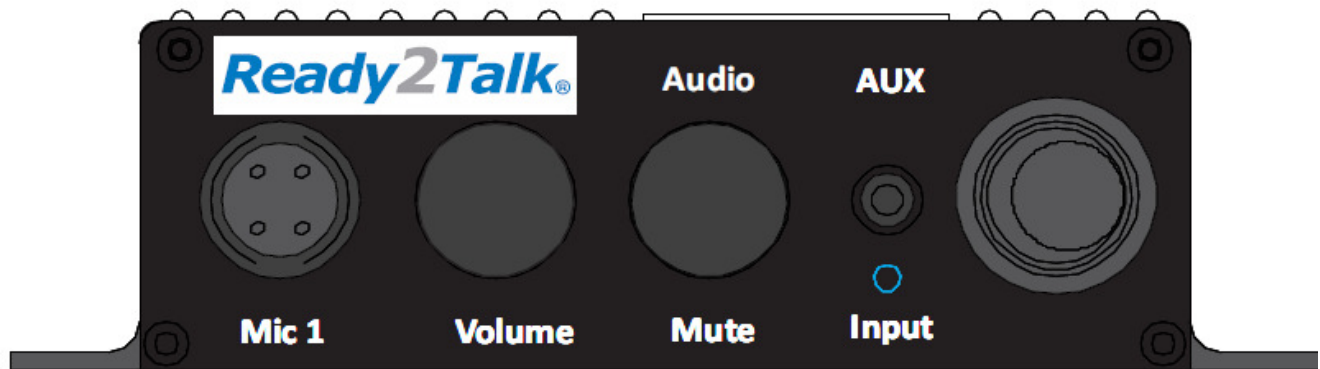


Ready2Talk®

PA 64

Installation & Operation Manual



The PA for ALL applications!

IMPORTANT!

Please read ALL these key points to ensure the proper connection and use of your PA 64. If you have ANY questions, please call 1 888 724-5351 BEFORE proceeding!

- The PA 64 is intended to be installed by a professional installer, service mechanic, vehicle manufacturer or dealer. **Do not attempt to install the PA 64 without confirming compatibility with your vehicle manufacturer or authorized dealer.** Failure to do so may cause damage to you, the PA 64, your vehicle electrical system and possibly void your vehicle warranty.
- Basically... the PA 64 is an amplifier with microphone inputs (and a lot more) that is connected between the stereo's output and the vehicles speakers. Just like an aftermarket car stereo amplifier.
- The PA 64 is NOT designed to be used with ANY other amplifiers (e.g. being connected between the stereo and a high powered amplifier). If done, the PA 64 will not function and it may cause damage to the PA 64 and / or the additional amplifiers. If you need more amplification than the PA 64 offers, we have other PA options to suit. Just give us a call.
- Although the PA 64 is internally fused, **always fuse your power wires at the power source, to protect the wires from shorts!**
- Only use the PA 64 with Ready2Talk microphones; use of any other microphones may cause damage or trip the onboard fuse. (For reset instructions, please see page 5)
- If you are not 100% sure about the installation, use or application of the PA 64 for your needs or vehicle type, please contact us at 1 888 724-5351. We are happy to answer ANY questions!
- Ready2Talk (Double E Products Ltd.) is not responsible for any damage to your vehicle or R2T products caused by misconnection, misuse or abuse.

Ready2Talk Limited Warranty

2 Year Limited Warranty on all PA Systems

1 year Limited Warranty on all Cables and Microphones

Now with the important warnings out of the way... the fun stuff.

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

Use the PA 64 as a stand-alone PA system or connected to your factory (OEM) stereo, any aftermarket stereo / DVD player or automated tour system. Don't forget you can also connect your MP3 player through the front or rear AUX input.

The PA 64 can be mounted on any flat surface vertical, horizontal, even upside-down. With the optional front decal, the printing will always be the right way around. We try to think of everything.

Want to hide it away? There is an optional RMK (Remote Mounting Kit) in 5 ft. and 15 ft. lengths and a 20 ft. RME (Rear Mic Extension) for a second mic when using a step on guide.

It also allows the use of two microphones, either hand or headset, wired or wireless; and is the perfect PA system for Vans or Busses used 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... it can also be an easy PA system replacement for many older Highway Coaches.

We even have PA 64 wiring options for Multi Trailer Trams so you can couple or remove trailers without sending your audio system into a tail spin. We also have diagrams for vehicles to meet ADA (Americans with Disabilities Act) and automated announcement or tour systems. Checkout the bottom of our Ready2Talkpa.com FAQ page for the list of diagrams.

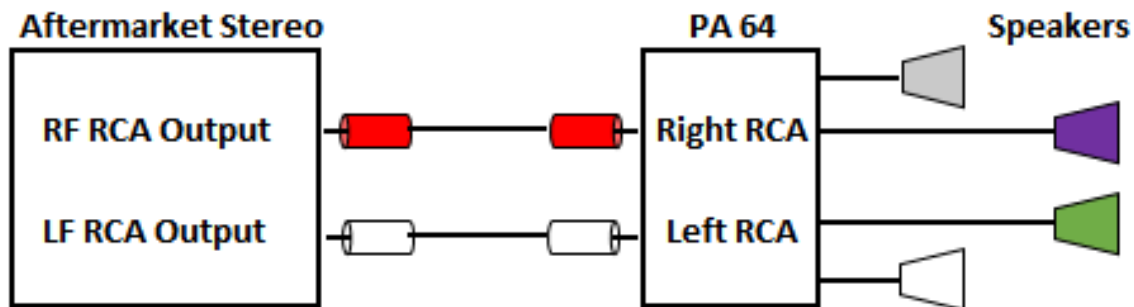
Karaoke anyone? Absolutely... Karaoke tours are starting to claim center stage... we have connection plans for that too!

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 and annoying side kick not included.

Thanks for purchasing your PA 64, now go have fun with it or just talk into it every day... all day!

Stereo Connection Options

Diagram 1 - Connection to Aftermarket Stereo RCA Output

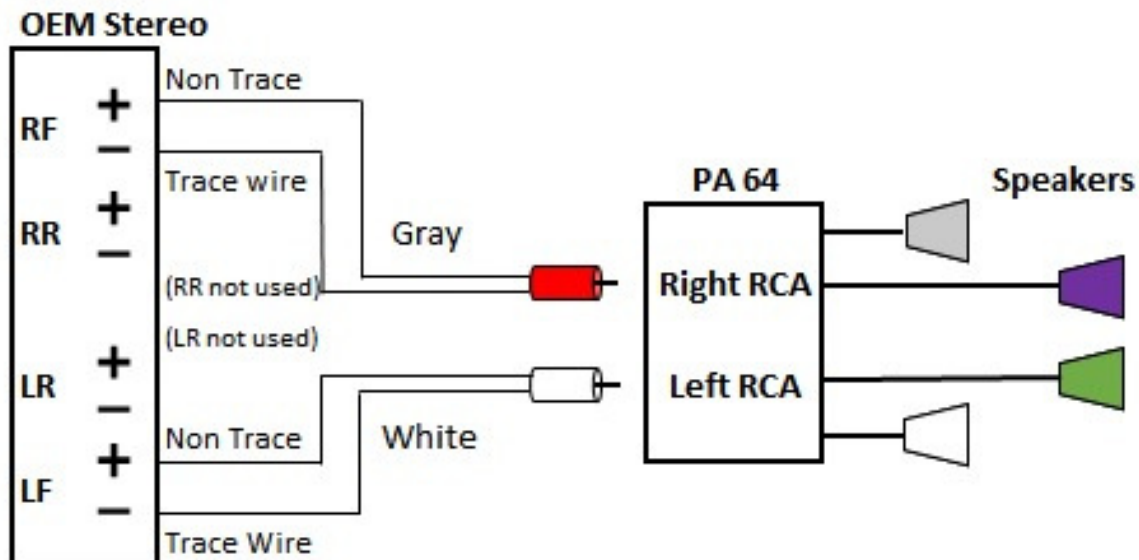


Note: Set Input Switch on PA 64 to "Low"

Note: When using RCA cables the stereo's speaker wires are not connected to the PA 64 or the speakers, just like an aftermarket amp.

Diagram 2 - Connection to OEM Factory Stereo Speaker Wires

Use the RCA to speaker wire pig tails included in the box.



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

Note: Rear speaker output wires from the stereo are no longer connected

PA 64 Multi Pin Plug Wiring Code

12V + Constant Power	Yellow (fused in multi wire socket base)
12V + Switched Power	Red (internal automatic resettable fuse)
12V – Ground	Black

Right Front Speaker +	Gray
Right Front Speaker -	Gray / Black
Left Front Speaker +	White
Left Front Speaker -	White / Black
Right Rear Speaker +	Purple
Right Rear Speaker -	Purple / Black
Left Rear Speaker +	Green
Left Rear Speaker -	Green / Black

Reset Instructions for Switched Power Fuse:

To reset the onboard Switched Power (accessory) Fuse, unplug the main power plug or turn off the vehicles power for 10 seconds.

Note: ALWAYS fuse your power wires at the power source, to protect the wires from shorts!

Note: Never increase the value of the 10A constant power fuse, located in the base of the main wiring socket of the PA 64.

Note: DO NOT EXCEED a 4 – 8 Ohm speaker load! If speaker load is outside the intended range, the 10A constant power fuse will blow after a short time, operation failure and damage will occur. **2 Ohm loads are not acceptable!**

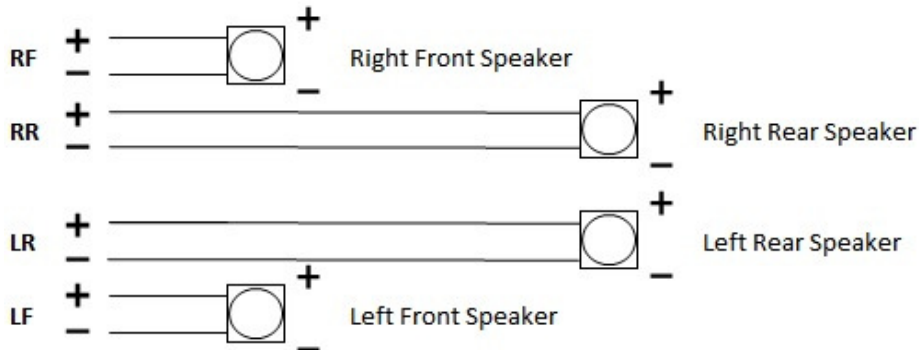
Note: The PA 64 amplifier uses a floating output. Please ensure your speakers are not common grounded or connected to the vehicle ground as damage will occur to the PA 64. Repairs / replacement will not be covered by warranty.

Note: Please refer to the "Speaker Connection Options" below. All diagrams are drawn using 4 Ohm speakers which will offer a safe load range from 4 – 8 Ohm to the PA 64 amplifier. When in doubt... please call 1 888 724-5351

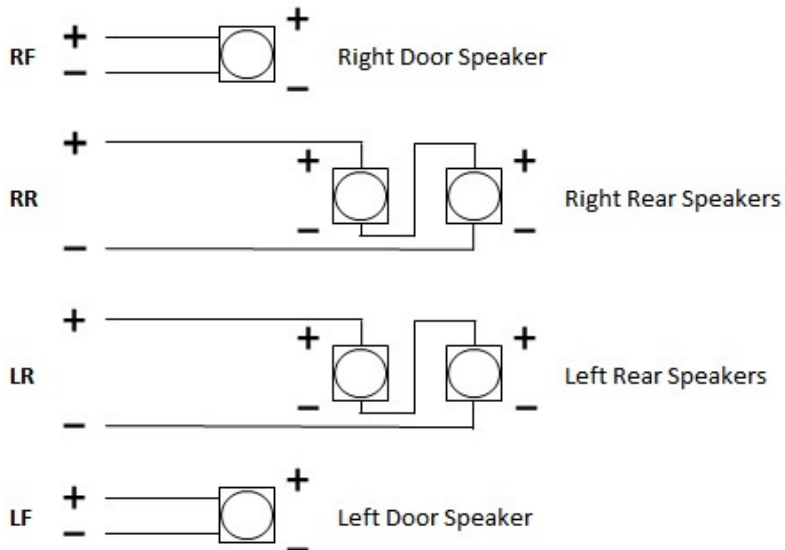
Speaker Connection Options - Based on 4 Ohm Speakers

Note: To lower the front speaker level see, "Fine Adjustment" on page 10

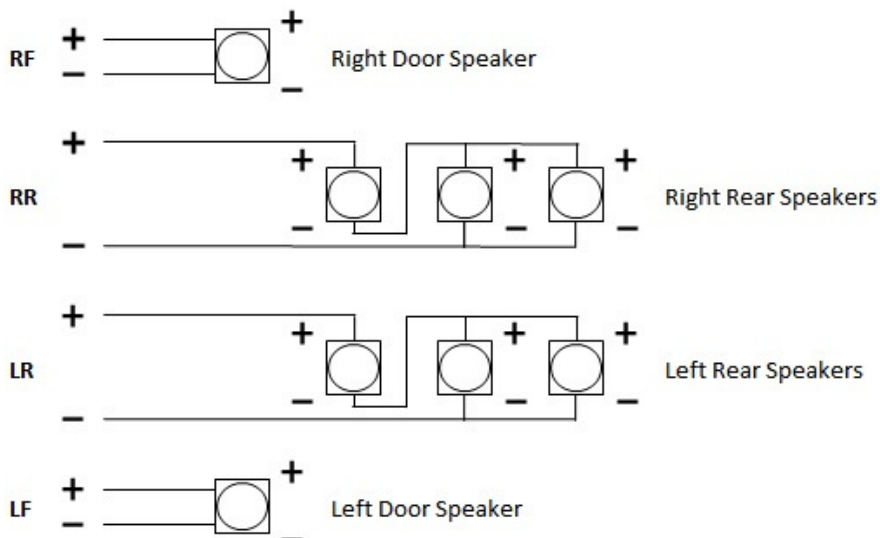
Normal 4 Speaker Option



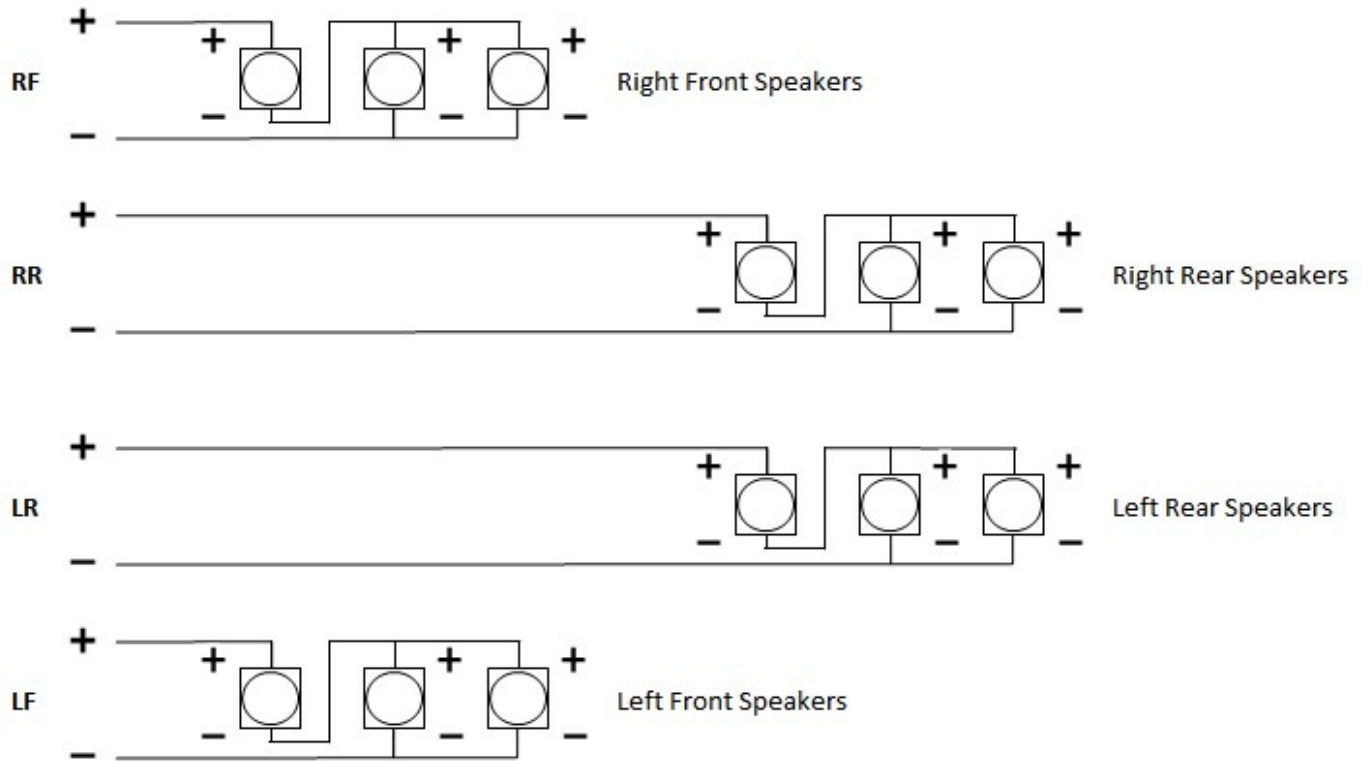
Cutaway Bus 6 Speaker Option Using Drivers Speakers



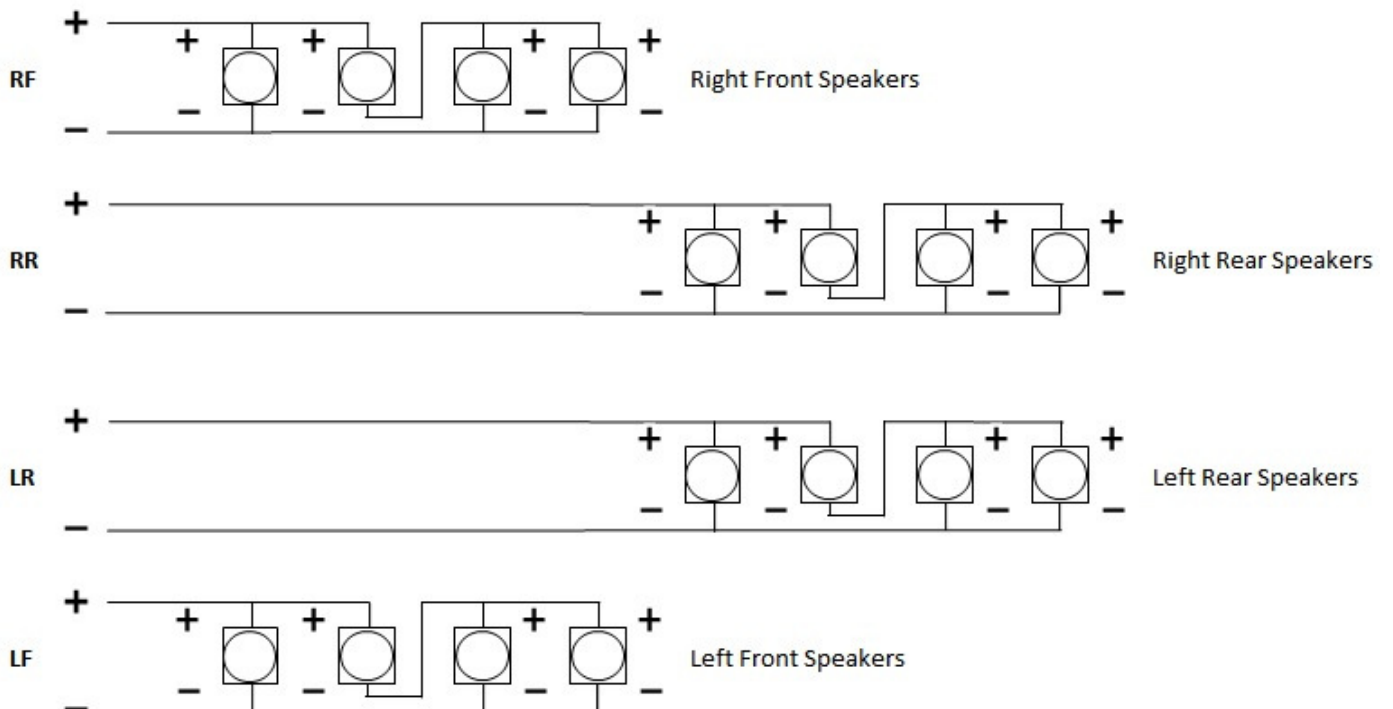
Cutaway Bus 8 Speaker Option with Door Speakers



Bus 12 Speaker Option



Bus 16 Speaker Option



PA 64 Start Up and Initial Testing

1. Connect your microphone to either "Mic 1" on the front of the PA 64 and / or "Mic 2" on the back.
2. Turn on the vehicle, then the PA 64 power switch (the power light will come on), turn on the microphone and talk in to the mic. Adjust the mic volume to your desired level with the "Volume" control on the front of the PA 64.
3. Turn off the mic and turn on the stereo, adjust the stereo volume as normal to desired level.
4. Adjust the "Audio Mute" control on the front of the PA 64 to half way / 50%. (nothing will happen yet)
5. Turn on the mic and the radio volume will mute to 50%. Turn the mic off and the stereo will come back up to full volume automatically.
6. You can adjust the amount of stereo muting by turning the "Audio Mute" control on the front of the PA 64. Full left = no muting, full right = 100% muting.
7. When playing music from your MP3 player through the front "AUX 1 or rear AUX 2 input", the muting will function the same as listed above in point #5.

Note: Both mic inputs are tied together internally. When using two mics, if either mic is turned on the audio muting will be triggered.

Note: The mic "Volume" and "Audio Muting" controls on the PA 64 will not function with the mic switch in the OFF position. This is normal.

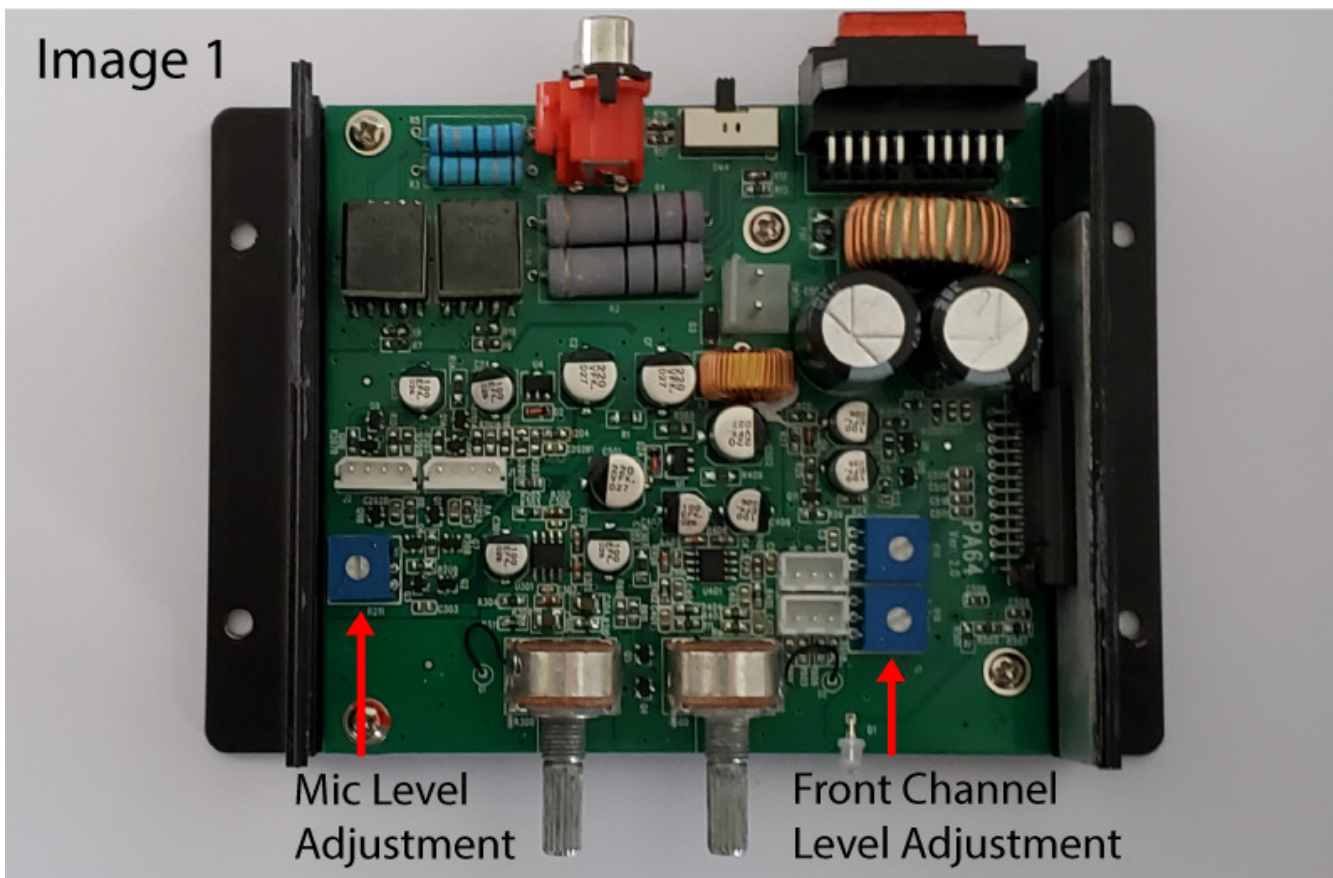
Note: When connecting your MP3 player into the "AUX 1" or "AUX 2" inputs the sound will blend together with the stereo. It's recommended to turn off the stereo when using the "AUX input" so they don't compete.

Fine Adjustments - (see Image 1)

Front channel audio output. This allows the installer to lower the sound output level to the front speakers in relation to the rear speakers. The factory setting is fully clockwise for full front channel volume. To reduce the front speaker level, turn both left and right pots counter clockwise to suit.

Mic level. This allows the use of Ready2Talk Condenser mics OR other makes of Dynamic mics. The factory setting is at midpoint for R2T mics, for Dynamic mics set fully counter clockwise. To reduce overall mic input, turn clockwise.

Power switch jumper loop. Included in the box is an optional power switch jumper loop which bypasses the power switch on the front panel. Just connect the jumper in place of switch plug on PCB.



For more information

You can find us at

www.ready2talkpa.com

or give us a call at 1 888 724-5351

Options - Making 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, 3.5mm AUX input sockets and cables to connect to the rear mic and AUX 2 sockets allowing you to hide your PA 64 for a custom look, yet keeping the front connections available. Available in two versions RMK-5 (5ft.) & RMK-15 (15ft.)

RME (Rear Mic Extension) A small flush mounted plate with a 4 pin mic socket and 20 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.

Headset Microphones

HS BT3 Digital Wireless Headset that offers over 30 ft. range with 12 hrs. continuous operation, but charges fully in only 3 hrs. max.

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

HS 40M Same as HS 30M, with the wire and boom on RIGHT side

Hand Microphones

HM BT3 Digital Wireless Hand Mic that offers over 30 ft. range and 12 hrs. continuous operation, but charges fully in only 3 hrs. max.

PHM 6C Anti-pop / Standard Push to Talk hand mic with rubber curly cord

HM 26C Anti-pop / Durable singers style hand mic with 12 ft. mic cable

Gooseneck Microphone

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

PA 64 Specifications - Ver.2.1

High Level Input	12VPP (peak to peak)
Low Level Input	450mV – 2V
AUX Input	400mV
Microphone Input	100mV
Current Drain (Max)	
12V Constant Power (Yellow Wire)	10Amp
12V Switched Power (Red Wire)	250mA
Average Current Drain at Normal Volumes	2.5Amp
Standby Current Drain	30mA
Power Output (Using 4 Ohm Speakers)	4 x 50 Watts (Peak) 4 x 22 Watts (RMS)
Case Measurements (Including Flange)	H 1-5/8" x W 5-5/8" x D 4-1/8" H 42mm x W 143mm x D 105mm
Front Panel Measurements (Without Flange)	H 1-5/8" x W 4-5/8" x D 4-1/8" H 42mm x W 118mm x D 105mm

Manufactured for

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