



**210MU603A Car  
Audio Component  
Speaker System**



# morel 210MU603A Car Audio Component Speaker System User Guide

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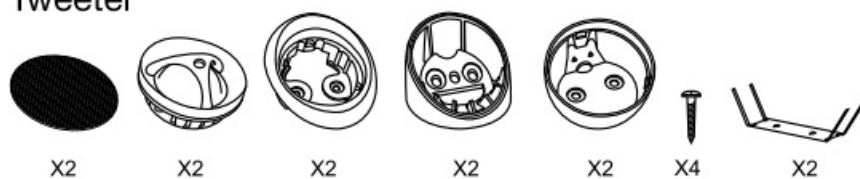
**morel 210MU603A Car Audio Component Speaker System**





## Content

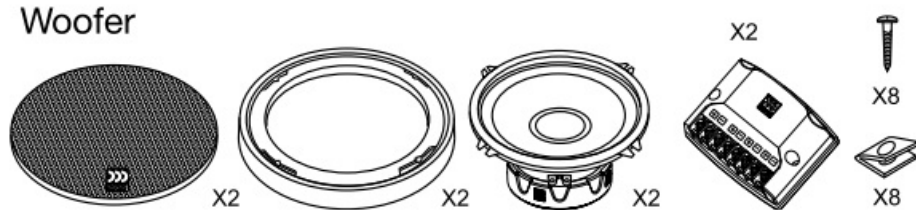
### Tweeter



### Mid-range



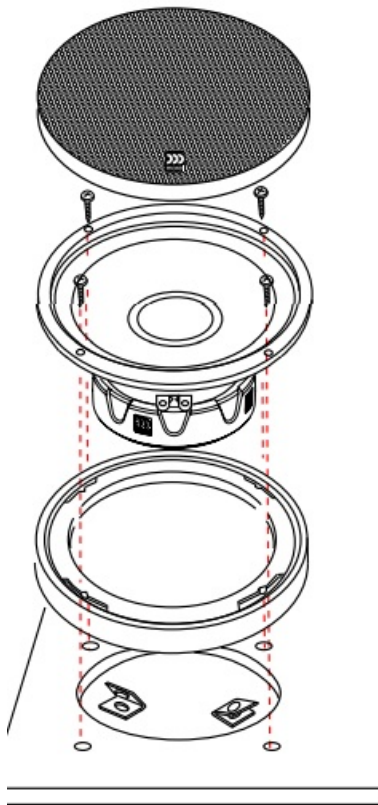
### Woofer



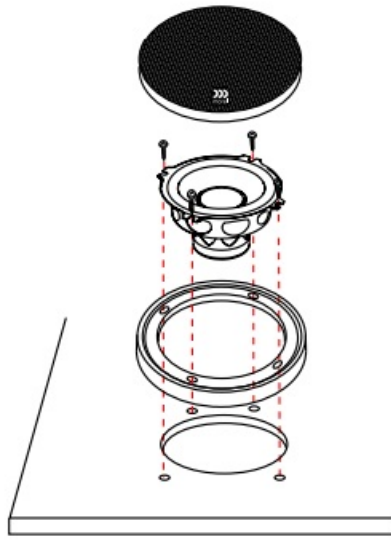
## Woofer and Mid Mounting



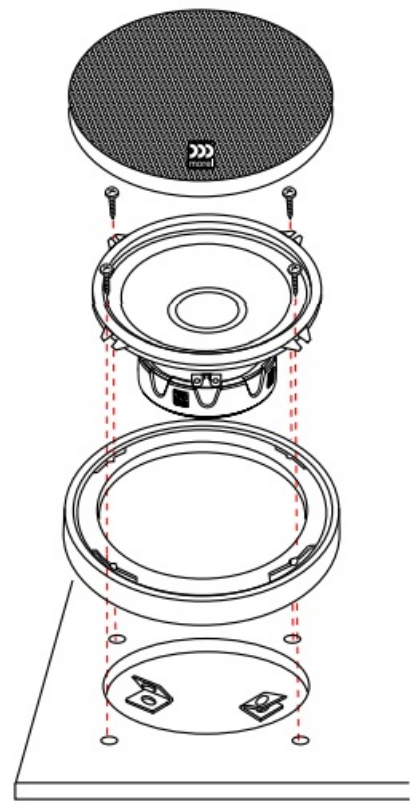
6½"



2½"

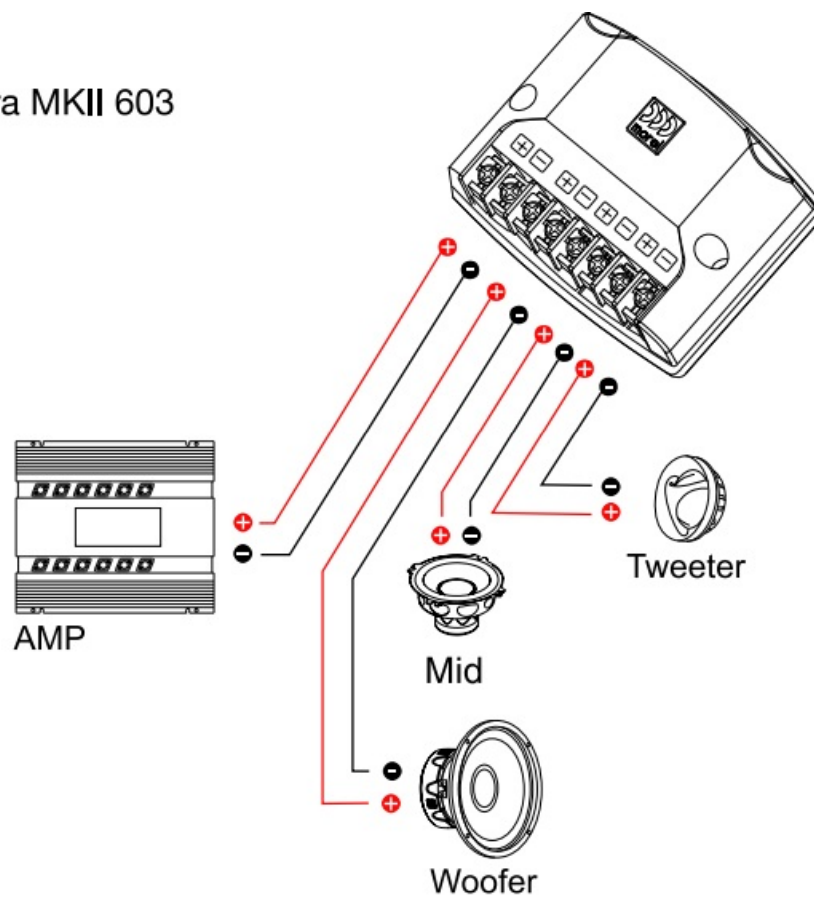


5¼"



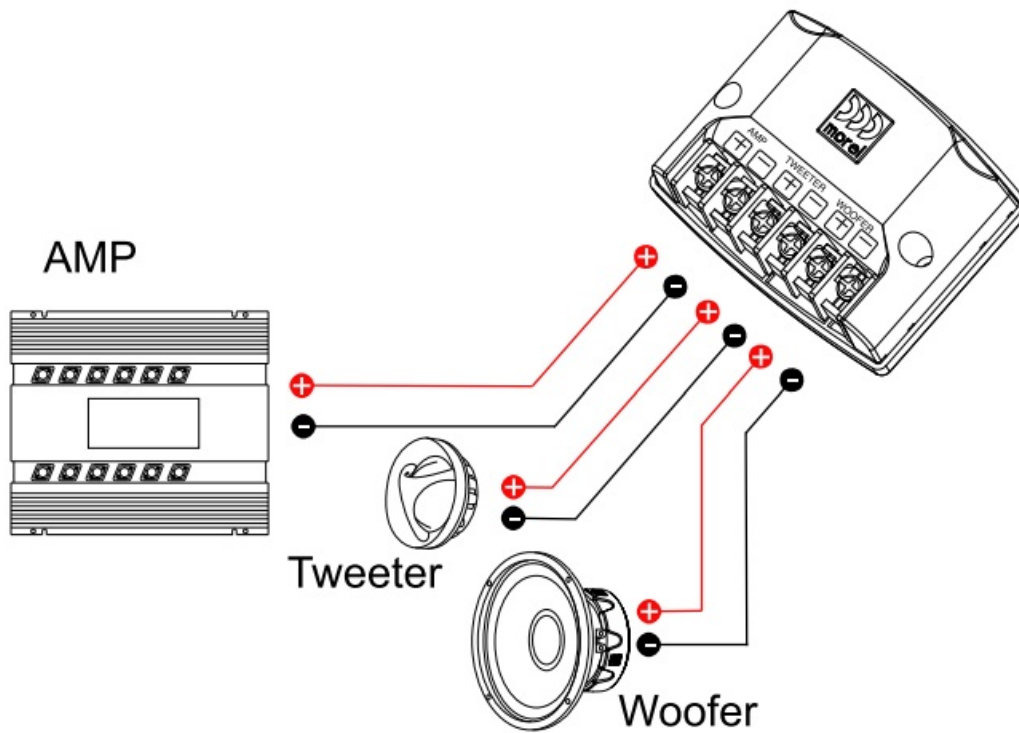
## Crossover Connection

Maximo Ultra MKII 603





## Maximo Ultra MKII 502 / 602



### Active Configuration Guide

The Maximo Ultra MKII 603A is an “active” component speaker set requiring the use of electronic crossover and six channels of amplification. The crossover can be a stand-alone electronic type or integrated in an aftermarket radio, amplifier, or a DSP (digital sound processor). Setting up the Maximo Ultra MKII 603A system may vary based on the crossover’s features, vehicle cabin acoustics, and the mounting location of the individual speakers. The following guidelines should be used to assure each speaker in the system performs to the highest level while functioning in a safe operating range.

Below is the Recommended Crossover Guide. The guide contains both recommendations for Optimal Crossover Points to be used as a starting point for the crossover settings. Additionally, there is a Recommended Crossover Range for each speaker that you can reference to safely dial in your system. Please note that Morel recommends using no less than a 12dB per octave filter on all crossover selections, however a steeper filter slope (18dB or 24dB) may be used as needed.

### Recommended Crossover Guide

#### • Optimal Crossover Points

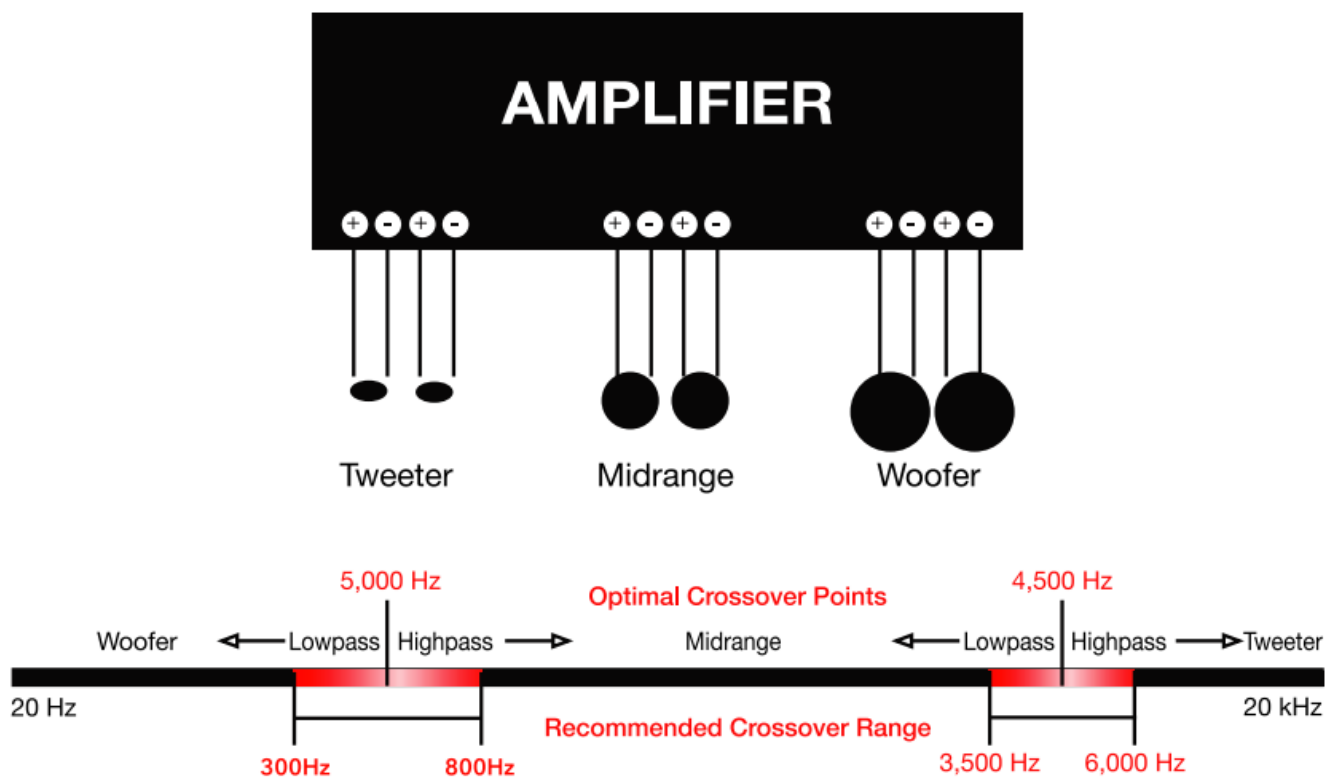
- Tweeter high-pass filter 4,500Hz @ 12dB
- Midrange low-pass filter 4,500Hz @ 12dB
- Midrange high-pass filter 500Hz @ 12dB
- Woofer low-pass 500Hz @ 12dB

#### • Recommended Crossover Range

- Tweeter high-pass filter 3,500-6,000Hz @ 12dB
- Midrange low-pass filter 3,500-6,000Hz @ 12dB
- Midrange high-pass filter 300-800Hz @ 12dB
- Woofer low-pass 300-800Hz @ 12dB

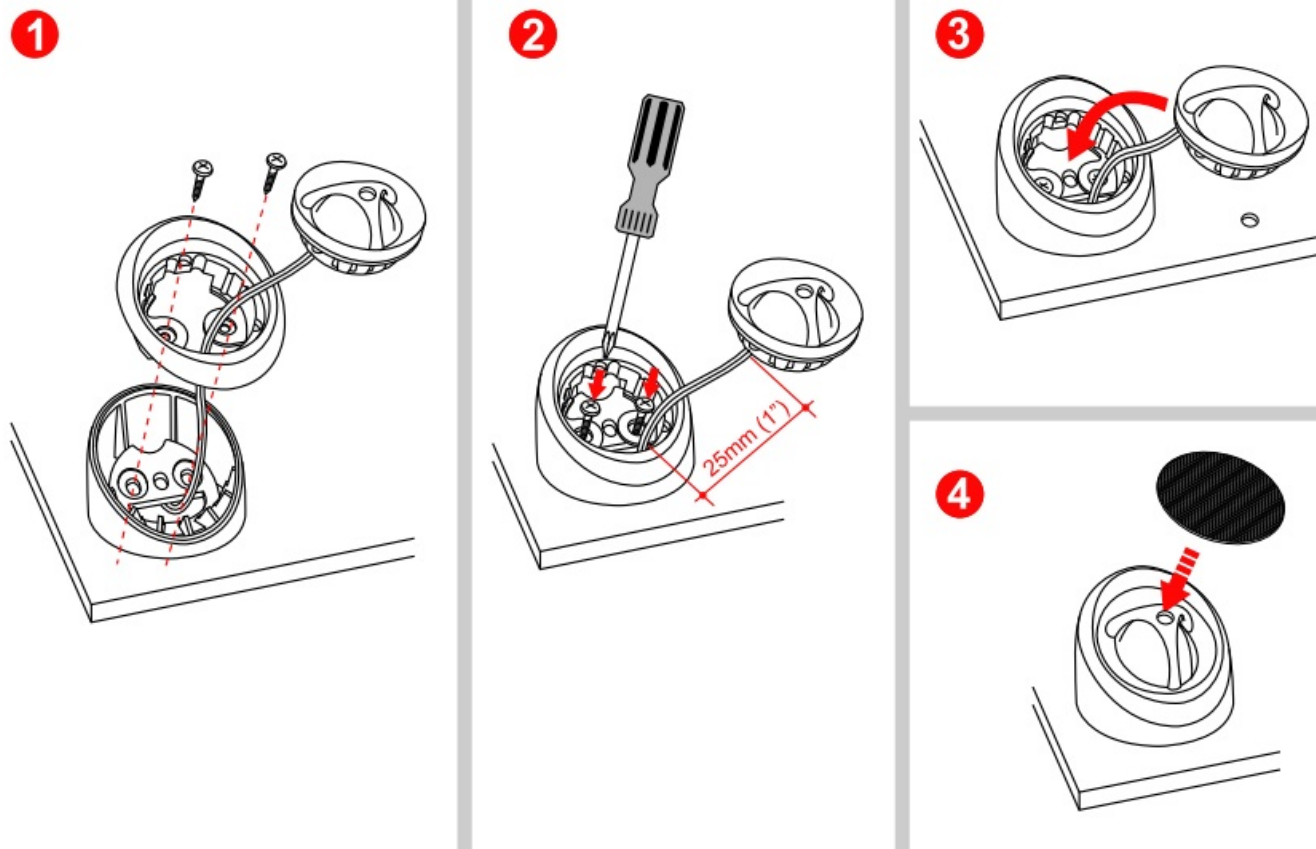


## Wiring



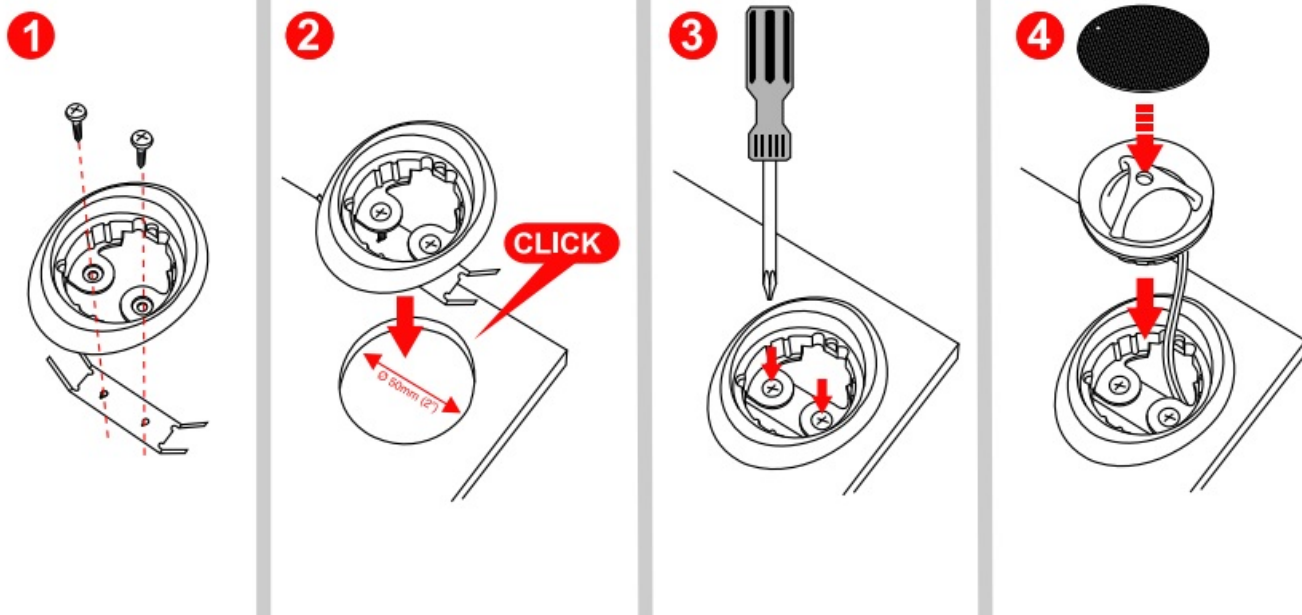
## Mounting

### Surface mounting

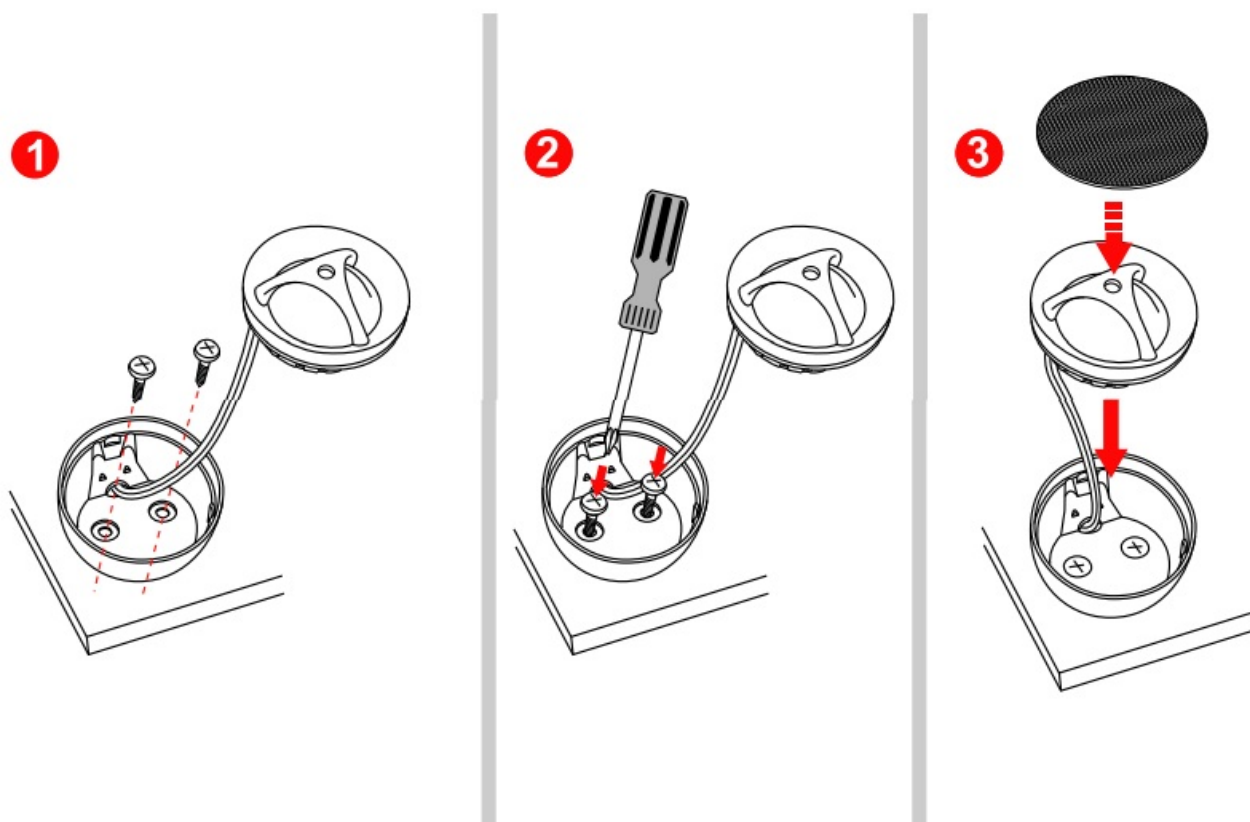


Flush mounting for 50mm (1.96") cutout – Option 1





### Flush mounting – Option 2



### Specifications



## Maximo Ultra MII 603/603A

Nominal Impedance	4 ohm
Power Handling	100W
Max. Transient Power Handling	180W
Sensitivity (2.83V/1M)	90.5 dB
Frequency Response	50-20,000 Hz
Voice Coil Diameter	Woofer: 25mm (1") Tweeter: 25mm (1") Mid: 20mm (0.8")
Voice Coil Wire	Copper
Magnet System	Woofer: High grade ferrite magnet Tweeter: Neodymium Mid: Double Neodymium magnet
Mounting Depth	Woofer: 60mm (2.4") Tweeter: 20mm (0.8") Mid: 35mm (1.4")

	Maximo Ultra MII 502	Maximo Ultra MII 602
Nominal Impedance	4 ohm	4 ohm
Power Handling	90W	100W
Max. Transient Power Handling	160W	180W
Sensitivity (2.83V/1M)	89 dB	90.5 dB
Frequency Response	50-20,000 Hz	50-20,000 Hz
Voice Coil Diameter	Woofer: 25mm (1") Tweeter: 25mm (1")	25mm (1") 25mm (1")
Voice Coil Wire	Copper	Copper
Magnet System	Woofer: High grade ferrite magnet Tweeter: Neodymium	High grade ferrite magnet Neodymium
Mounting Depth	56mm (2.2")	60mm (2.4")

[www.morelhifi.com](http://www.morelhifi.com)

**Documents / Resources**





[morel 210MU603A Car Audio Component Speaker System](#) [pdf] User Guide  
210MU603A, 210MU603A, 210MU603A Car Audio Component Speaker System, 210MU603A,  
Car Audio Component Speaker System, Component Speaker System, Speaker System

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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