



MIDLAND SPK200 20 Watt Amplified External Speaker Owner's Manual

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MIDLAND SPK200 20 Watt Amplified External Speaker



Product Information

The SPK200 is a 20-watt amplified external speaker manufactured by Midland. It features a noise-canceling function that can be adjusted to different levels of noise suppression. The speaker is designed to enhance voice audio and comes with a backlighting ANC button that indicates the selected ANC mode.

Specifications

- **Model:** SPK200
- **Power:** 20 watts
- **Weight:** 2.3 lbs
- **Cable Length:** 6.5 feet

Installation

1. Choose a suitable location for mounting the speaker, ensuring it is away from direct sunlight, high-temperature areas, air vents, and airbag deployment zones.
2. Securely mount the speaker bracket using the supplied tapping screws and flat speed nuts.
3. Route the input cable from the bracket location to the back of the radio.
4. Connect the SPK200 audio input plug to the radio's 3.5mm external speaker jack.

Powering the Speaker

The SPK200 can be powered in two different ways

1. Option 1: Connect the supplied power cable to a 12V DC port in the vehicle.
2. Option 2: Use the supplied splice block to power the SPK200 from the radio's power cord.

To power the SPK200 using the splice block:

1. Disconnect the vehicle battery before splicing into the radio's power cable.

2. Connect the radio and SPK200 power cord to the 4 out side of the splice block while ensuring proper polarity.
3. Strip the ends of the wires to be spliced by 0.4 inches.
4. Open the lever locks to the vertical position.
5. Insert the stripped wires into the splice block and close the lever locks.
6. After making all connections, reconnect the vehicle battery.

Note: The SPK200 can be connected to a switched or accessory circuit to turn off the speaker when not needed. It will also enter a low power state after 30 minutes of no audio input to preserve the vehicle battery.

Speaker Testing

1. Mount the speaker to the bracket and adjust it to your desired angle.
2. Turn on the radio and test the speaker. You can use the radio's monitor function as a noise source.

SPECIFICATIONS

- **Supply Voltage:** 10.8 – 15.2 V DC
- **Supply Current:** 1.25 A max, Power Save
- **Mode:** 15 mA max Amplifier Input
- **Voltage:** 12 V rms max, 700 mV rms typical Amplifier Output
- **Power:** 10 W rms, 20 W peak
- **Amplifier Distortion, 700 mV rms input:** 10% max
- **Nominal Speaker Impedance:** 8 Ohms
- **Operating Temperature Range:** -22 °F to +140 °F
- **Ingress Protection Rating:** IP67 bEL-02 style, 4.5 mm pitch connector Audio Input Connector: 3.5 mm mono
- **Input Cable Length:** 6.5 ft
- **Speaker Size:** 4 in
- **Housing Size (H x W x D):** 5 1/8 in x 5 1/16 in x 4 1/2 in Weight: 2.3 lbs

INSTALLATION

1. Choose a suitable location and surface for mounting the speaker. Keep in mind the cable will generally connect to the back of the radio and the supplied cable length is 6.5 feet.

CAUTION:

- Avoid mounting in direct sunlight or high-temperature areas.
 - Avoid mounting in areas that block air vents, including air conditioning or heating vents.
 - Avoid airbag deployment zones to ensure proper performance and to prevent injury.
2. Use the two to four supplied tapping screws to mount the speaker bracket to the mounting surface. The speaker weighs 2.3 lbs. and should be mounted securely. The supplied flat speed nuts can be used on the backside of the mounting surface to help secure the bracket.
 3. Route the input cable from the bracket location to the back of the radio.
 4. Connect the SPK200 audio input plug to the radio's 3.5mm external speaker jack.

POWERING THE SPEAKER

1. The SPK200 can be powered separately by connecting the supplied power cable to a 12V DC port in the vehicle.
OR
2. The supplied splice block can be used to power the SPK200 from the radio's power cord.
 - Disconnect the vehicle battery before attempting to splice into the radio's power cable.
 - The SPK200 power wiring should be fused with a 2A minimum to 5A maximum fuse. If the fuse in the radio's power cord is 5A, the additional 5A inline fuse in the SPK200 power cord is not necessary. If the fuse in the radio's power cord is larger than 5A, such as on the 40 – 50 Watt radios, the 5A inline fuse in the SPK200 power cord should be used.
 - The supplied splice block is a 2 in – 4-out configuration. The supply for the radio and SPK200 should be connected to the 2 in side. The radio and the SPK200 power cord should be connected to the 4 out side. Observe polarity while making connections.
 - Strip the ends of the wires to be spliced 0.4 inches.
 - Open the lever locks to the vertical position.
 - Insert the stripped wires into the splice block and close the lever locks.(See figure 1)
 - After all connections are made, reconnect the vehicle battery.

Note: The SPK200 may be connected to a switched or accessory circuit to turn the speaker off when +not needed. Additionally, if no audio input is detected for 30 minutes, the SPK200 will enter a low power state to keep from draining the vehicle battery.
3. Mount the speaker to the mounting bracket with the two supplied mounting knobs. Pivot the speaker to your desired angle before tightening the knobs.
4. Turn on the radio and test the speaker. The radio's monitor function may be toggled on as a noise source.

Note: Connecting the external speaker will generally disconnect the internal radio speaker. Radios with multiple speaker selections such as the MXT275 and MXT575, need to have the base speaker enabled for the external speaker to function.

Figure 1 – 5W and 15W Radio Power Cord Splicing Example

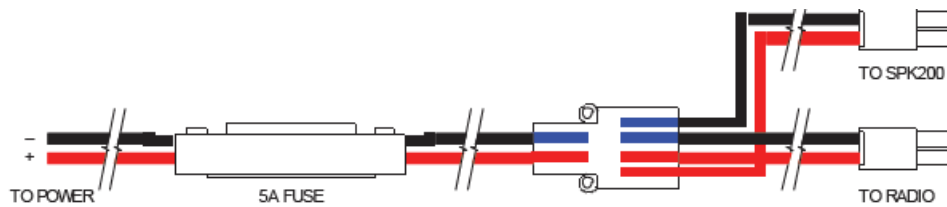
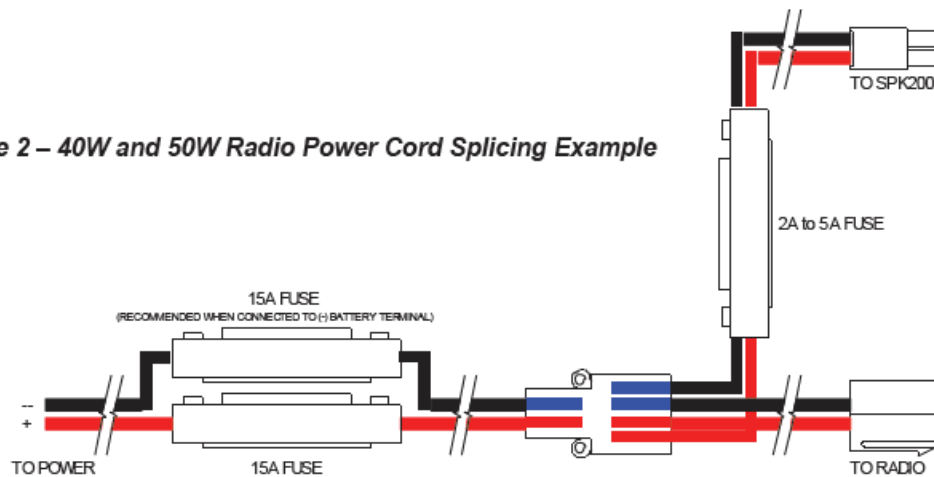


Figure 2 – 40W and 50W Radio Power Cord Splicing Example



OPERATION

- In addition to being amplified, the SPK200 has a noise-canceling feature. Press the ANC button to toggle the ANC function from OFF to LOW, LOW to MID, MID to HI. The higher levels of ANC add more noise suppression, but may add degradation to the voice audio.
- The backlighting of the ANC button indicates the ANC mode selection.

ANC MODE	BACKLIGHT
OFF	None
LOW	Green
MID	Yellow
HI	Red

FCC STATEMENTS

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
 1. This device may not cause harmful interference. And
 2. This device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by

turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

LIMITED WARRANTY

(United States and Canada)

Subject to the exclusions set forth below, Midland Radio Corporation will repair or replace, at its option without charge, any Midland SPK200 which fails due to a defect in material or workmanship within One Year following the initial consumer purchase. This warranty does not apply to abuse or misuse of unauthorized accessories, unauthorized service or modification or altered products. Accessories have a 90-day warranty from date of purchase, including any charge cables, headsets, or batteries. This warranty does not include the cost of labor for removal or re-installation of the product in a vehicle or other mounting.

ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED AS SET FORTH HEREIN AND TO THE DURATION OF THE LIMITED WARRANTY., OTHERWISE THE REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS EXPRESS LIMITED WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER AND IS PROVIDED IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. IN NO EVENT SHALL MIDLAND BE LIABLE, WHETHER IN CONTRACT OR TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE, GROSS NEGLIGENCE, BODILY INJURY, PROPERTY DAMAGE AND DEATH) FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR ACCESSORY, OR FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATA OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE ABILITY OR INABILITY TO USE THE PRODUCTS OR ACCESSORIES TO THE FULL EXTENT THESE DAMAGES MAY BE DISCLAIMED BY LAW.

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

To register your product for a warranty claim, please visit <https://midlandusa.com/apps/product-registration> and contact Customer Experience at support@midlandradio.com for any additional assistance.

For Product Purchased in the USA: Performance of any obligation under this warranty may be obtained by returning the warranted product, prepaid freight, along with proof of purchase to:


Midland Radio Corporation
Warranty Service Department
5900 Parretta Drive
Kansas City, MO 64120

For Product Purchased in Canada: Performance of any obligation under this warranty may be obtained by returning the warranted product, along with proof of purchase, to your place of purchase in Canada. This warranty gives you specified legal rights. Additional warranty rights may be provided by law in some areas within Canada.

Midland Radio Corporation
5900 Parretta Drive
Kansas City, Missouri 64120 Phone: [816-241-8500](tel:816-241-8500)

Fax: [816-241-5713](tel:816-241-5713)
E-mail: mail@midlandradio.com
midlandusa.com

Documents / Resources

	MIDLAND SPK200 20 Watt Amplified External Speaker [pdf] Owner's Manual SPK200 20 Watt Amplified External Speaker, SPK200, 20 Watt Amplified External Speaker, Amplified External Speaker, External Speaker, Speaker
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References

- [▲ Midland Radio | Two Way Radios and Weather Radios](#)
- [▲ Midland Radio](#)
- [User Manual](#)

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