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› Monoprice 24K Gold Plated Speaker Banana Plugs User Manual

## Monoprice 121820

# Monoprice 24K Gold Plated Speaker Banana Plugs

USER MANUAL - MODEL 121820

### Product Overview

The Monoprice 121820 24K Gold Plated Speaker Banana Plugs are designed to simplify speaker installation and ensure secure, high-quality audio connections. These plugs are compatible with amplifiers and speakers that utilize traditional binding posts, offering a safer alternative to bare wire connections by eliminating the risk of stray wire strands causing short circuits.

Each plug features a closed screw type design, allowing for easy termination of bare speaker wire or spade connectors. The plugs are engineered to accommodate speaker wire gauges from 12 to 18 AWG. For correct polarity identification, each pair includes one plug with a red ring and another with a black ring. Constructed from brass and plated with 24K gold, these connectors resist corrosion and ensure optimal signal transfer.

This package contains ten pairs (20 plugs total), making it ideal for connecting multiple speakers, such as in a 5.1 channel home theater setup.

### Package Contents

- 20 x Monoprice 24K Gold Plated Speaker Banana Plugs (10 pairs, 10 red-ringed, 10 black-ringed)

### Key Features

- Accepts bare wire or spade connectors.
- Compatible with 12 to 18 AWG speaker wires.
- Color-coded black/red rings for maintaining proper polarity.
- Ensures secure, positive contact with binding posts.
- Corrosion-resistant 24K gold-plated brass construction.
- Multi-pack includes ten pairs (20 plugs total).

## Installation Guide

### Tools Required:

- Wire strippers
- Small flat-head screwdriver (optional, for tightening)

### Connecting Speaker Wires to Banana Plugs:

Follow these steps to properly connect your speaker wires to the Monoprice banana plugs:

1. **Prepare the Speaker Wire:** Carefully strip approximately 1/2 inch (1.25 cm) of insulation from the end of your speaker wire. Twist the exposed strands of copper wire tightly to prevent fraying. Ensure the wire gauge is between 12 and 18 AWG.
2. **Disassemble the Banana Plug:** Unscrew the main body of the banana plug from the banana pin. You will see a small screw terminal inside the main body.
3. **Insert the Wire:** Insert the twisted bare speaker wire into the opening of the screw terminal. Ensure all strands are inside the terminal and none are straying outside.
4. **Secure the Wire:** Tighten the screw terminal firmly using a small screwdriver or by hand. Ensure the wire is held securely and cannot be easily pulled out.
5. **Reassemble the Plug:** Screw the banana pin back onto the main body of the plug until it is snug. Do not overtighten.
6. **Observe Polarity:** Use the red-ringed plugs for the positive (+) terminals and the black-ringed plugs for the negative (-) terminals on both your amplifier/receiver and speakers. Consistent polarity is crucial for proper audio reproduction.
7. **Connect to Equipment:** Insert the banana plugs firmly into the corresponding binding posts on your amplifier/receiver and speakers.



Figure 1: Overview of the Monoprice 24K Gold Plated Speaker Banana Plugs (10 pairs).



Figure 2: Detailed view of assembled banana plugs, showing the gold plating and color-coded rings.



Figure 3: Exploded view of a red-ringed banana plug, illustrating its internal components.

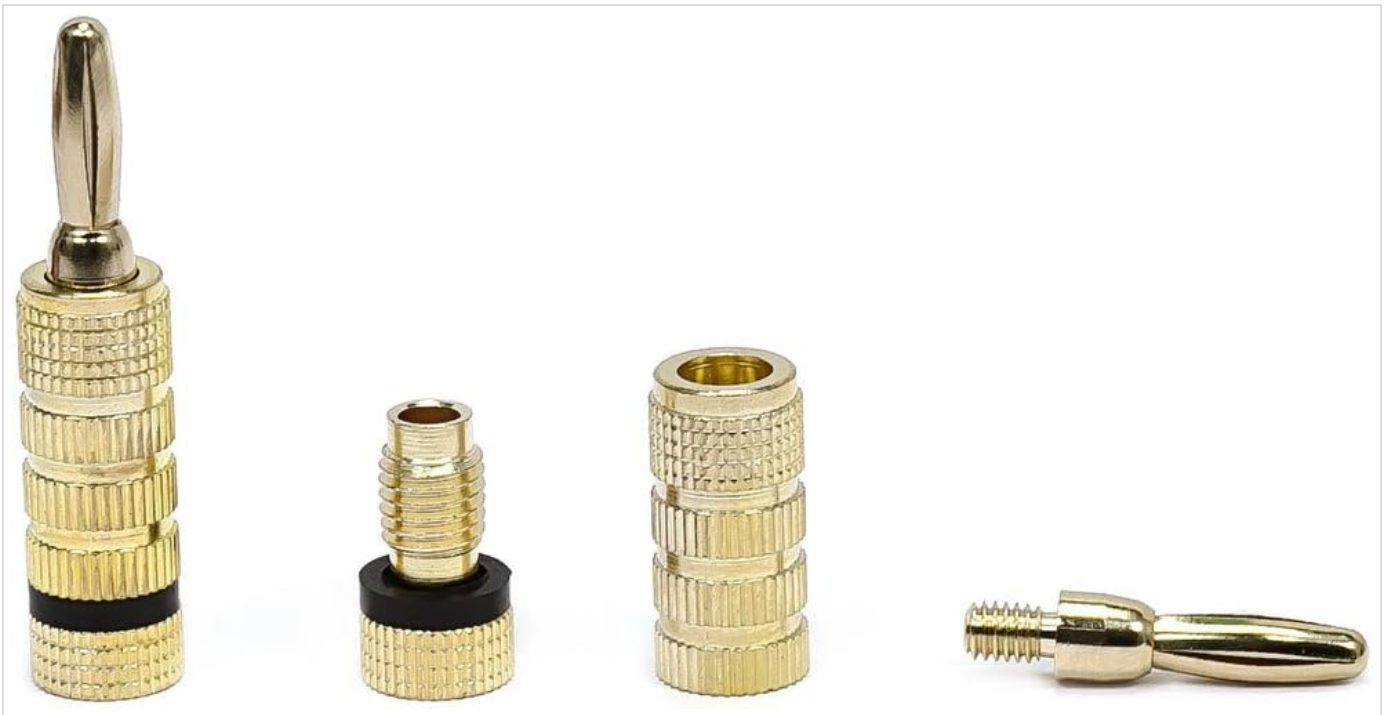


Figure 4: Exploded view of a black-ringed banana plug, illustrating its internal components.

## Usage

Once installed, Monoprice banana plugs provide a quick and secure connection for your audio equipment. They allow for easy disconnection and reconnection of speakers without the need to re-strip wires, reducing wear and tear on both the wires and the binding posts. Always ensure the plugs are fully inserted into the binding posts for optimal contact and sound quality.

## Care and Maintenance

These banana plugs require minimal maintenance. To ensure longevity and optimal performance:

- Keep the plugs clean and free of dust or debris. A soft, dry cloth can be used for cleaning.
- Avoid using abrasive cleaners or solvents, as these can damage the gold plating.
- Store unused plugs in a dry environment to prevent oxidation.
- Periodically check the wire connections within the plugs to ensure they remain tight.

## Troubleshooting

| Problem                                          | Possible Cause                                                          | Solution                                                                                                                                                  |
|--------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| No sound or intermittent sound from speaker.     | Loose wire connection inside the banana plug.                           | Unscrew the plug, re-strip and re-insert the wire, ensuring it is tightly secured by the screw terminal.                                                  |
| Poor sound quality (e.g., distorted, weak bass). | Incorrect polarity (red/black) connection.                              | Verify that red-ringed plugs are connected to positive (+) terminals and black-ringed plugs to negative (-) terminals on both the amplifier and speaker.  |
| Plug does not fit into binding post.             | Binding post is not a standard banana jack, or there is an obstruction. | Ensure your equipment has standard banana jack compatible binding posts. Check for any plastic caps that might need to be removed from the binding posts. |

## Technical Specifications

| Feature                 | Specification                                                |
|-------------------------|--------------------------------------------------------------|
| Model Number            | 121820                                                       |
| Connector Type          | Banana Plug, Closed Screw Type                               |
| Plating                 | 24K Gold Plated                                              |
| Body Material           | Brass                                                        |
| Compatible Wire Gauge   | 12 to 18 AWG                                                 |
| Polarity Identification | Red and Black rings                                          |
| Quantity                | 10 Pairs (20 Plugs Total)                                    |
| Dimensions (per plug)   | Approximately 4.8 x 3.45 x 1.35 inches (packaged dimensions) |

| Feature     | Specification |
|-------------|---------------|
| Item Weight | 9.9 ounces    |

## Warranty and Support

For information regarding warranty coverage, technical support, or to purchase additional Monoprice products, please visit the official Monoprice website or contact their customer service department.

You can also visit the Monoprice store on Amazon: [Monoprice Amazon Store](#)

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