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› [Motorola Solutions](#) /

› [Motorola HKKN4027A RM Series CPS Programming Cable Instruction Manual](#)

## Motorola Solutions HKKN4027A

# Motorola HKKN4027A RM Series CPS Programming Cable Instruction Manual

Model: HKKN4027A

Brand: Motorola Solutions

## INTRODUCTION

The Motorola HKKN4027A CPS Programming Cable is designed to connect your Motorola RM, RDX, and CLP Series Business Radios to a personal computer. This connection facilitates the customization of radio settings and frequencies using compatible Customer Programming Software (CPS).

## WHAT'S IN THE BOX

- RM Series CPS Programming Cable

## SETUP

### 1. Connecting the Cable to Your Radio

1. Ensure your Motorola RM, RDX, or CLP Series radio is powered off.
2. Locate the accessory jack(s) on the side of your radio.
3. Carefully insert the radio-side connector of the HKKN4027A cable into the radio's accessory jack(s). Ensure it is fully seated.
4. Power on your radio.

### 2. Connecting the Cable to Your Computer

1. Plug the USB Type A connector of the HKKN4027A cable into an available USB port on your computer.

### 3. Driver and Software Installation

The programming cable requires specific drivers to function correctly with your computer. These drivers are typically provided with the Motorola Customer Programming Software (CPS). If a driver CD is included, install the drivers from it. Alternatively, download the latest CPS and drivers from the official Motorola Solutions website.

**Important Note:** Some programming cables feature a switch labeled 'CPS' and 'Flash'. Ensure this switch is set to the 'CPS' position for standard programming operations.



Image: The Motorola HKKN4027A programming cable features a switch to select between 'CPS' (Customer Programming Software) and 'Flash' modes. For general radio programming, ensure the switch is set to 'CPS'.

## 4. Configuring the COM Port

After installing the drivers, you may need to configure the correct COM port in your CPS. This is a common step to ensure communication between the software and the radio.

1. Connect the USB cable to your computer.
2. Open your computer's Device Manager (search for 'Device Manager' in Windows).
3. Expand the 'Ports (COM & LPT)' section.
4. Identify the USB-Serial device and note its assigned COM Port (e.g., COM3).
5. Launch your Motorola CPS.
6. Navigate to the radio connection settings (often under a 'Radio' or 'Communication' tab).
7. Select the COM Port that matches the one identified in Device Manager.

## OPERATING

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### Programming Your Radio

1. With the cable connected and COM port configured, open your Motorola CPS.
2. Follow the software's instructions to read the current configuration from your radio. This is recommended before making any changes.
3. Modify frequencies, channels, and other settings as needed within the CPS interface.
4. Once modifications are complete, use the software's 'Write to Radio' or 'Program' function to transfer the new settings to your radio.

5. After successful programming, disconnect the cable and restart your radio to apply the new settings.

## MAINTENANCE

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To ensure the longevity and reliable performance of your Motorola HKKN4027A programming cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or kinking the cable, which can damage internal wires.
- **Cleaning:** Use a soft, dry cloth to clean the cable and connectors. Avoid using harsh chemicals or abrasive materials.
- **Handling:** Always grasp the connector ends when plugging or unplugging the cable, rather than pulling on the cable itself.
- **Water Resistance:** The cable features a water-resistant design, making it suitable for both indoor and outdoor use. However, it is not fully waterproof. Avoid submerging the cable in water or exposing it to heavy rain for extended periods.

## TROUBLESHOOTING

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### Cable Not Recognized by Computer

- **Driver Installation:** Ensure the correct drivers for the programming cable are installed. Reinstalling drivers can often resolve recognition issues.
- **COM Port Mismatch:** Verify that the COM port selected in your CPS matches the one assigned to the USB-Serial device in your computer's Device Manager (refer to 'Configuring the COM Port' in the Setup section).
- **USB Port:** Try connecting the cable to a different USB port on your computer.
- **Cable Condition:** Inspect the cable for any visible damage. A damaged cable may not function correctly.

### Programming Errors

- **Radio Power:** Ensure the radio is powered on and fully charged during programming.
- **Cable Connection:** Confirm that the cable is securely connected to both the radio and the computer.
- **Software Version:** Use the correct version of Motorola CPS compatible with your specific radio model.
- **Switch Position:** If your cable has a CPS/Flash switch, ensure it is in the 'CPS' position.
- **Radio Mode:** Some radios require being in a specific mode (e.g., programming mode) before they can be programmed. Consult your radio's manual.

## SPECIFICATIONS

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Feature	Detail
Model Name	CPS Business Radio Cable Assembly Kit
Item Model Number	HKKN4027A
Brand	Motorola Solutions
Connector Type	USB Type A
Cable Type	USB

Compatible Devices	PC, Motorola RM, RDX, & CLP Series Business Radios
Special Feature	Water Resistant
Color	Black
Connector Gender	Male-to-Female
Number of Pins	4
Item Weight	2.4 ounces (0.15 Pounds)
Product Dimensions	48 x 0.25 x 0.25 inches
Maximum Voltage	5 Volts (DC)
Indoor/Outdoor Usage	Indoor, Outdoor
Specification Met	RoHS

## WARRANTY AND SUPPORT

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As a genuine Motorola accessory, this product is subject to Motorola Solutions' standard warranty terms. For specific warranty details, please refer to the documentation included with your purchase or visit the official Motorola Solutions website.

**Important:** Motorola recommends purchasing only from an authorized dealer to ensure product authenticity and eligibility for support and warranty services.

For technical support or further assistance, please contact Motorola Solutions customer service or consult their online resources.