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## ICOM OPC-1000

# Icom OPC-1000 20' Cable Instruction Manual

Model: OPC-1000

## INTRODUCTION

The Icom OPC-1000 is a 20-foot (approximately 6.1 meters) replacement cable designed for use with the Icom HM127 microphone. This cable facilitates the connection between your Icom radio unit and the HM127 microphone, providing extended reach and flexibility for various communication setups. It is engineered to ensure reliable signal transmission and durability in both indoor and outdoor environments.

## SAFETY INFORMATION

Please read and understand all safety instructions before installing or using the OPC-1000 cable. Failure to follow these instructions may result in damage to the product, connected devices, or personal injury.

- **Electrical Safety:** Ensure all connected devices are powered off before connecting or disconnecting the cable to prevent electrical shock or damage.
- **Cable Routing:** Route the cable in a manner that prevents tripping hazards, pinching, or excessive bending. Avoid placing heavy objects on the cable.
- **Environmental Conditions:** While designed for indoor and outdoor use, avoid exposing the cable to extreme temperatures, direct sunlight for prolonged periods, or corrosive substances.
- **Damage Inspection:** Regularly inspect the cable for any signs of damage, such as cuts, fraying, or exposed wires. Do not use a damaged cable.
- **Proper Connection:** Ensure connectors are fully seated and secure to maintain a stable connection and prevent intermittent operation.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Icom OPC-1000 20' Cable (1 unit)

## SETUP AND INSTALLATION

Follow these steps to properly install the Icom OPC-1000 cable:

1. **Power Off Devices:** Before beginning, ensure that your Icom radio and the HM127 microphone are powered off and disconnected from any power sources.
2. **Identify Connectors:** The OPC-1000 cable features male-to-male connectors. Identify the corresponding ports on your Icom radio unit and the HM127 microphone.
3. **Connect to HM127:** Carefully align one end of the OPC-1000 cable with the input port on your HM127 microphone. Gently push until the connector is fully seated and secure. Do not force the connection.
4. **Connect to Radio Unit:** Align the other end of the OPC-1000 cable with the microphone input port on your Icom radio unit. Push firmly until the connector is fully seated.
5. **Cable Management:** Route the 20-foot cable to avoid interference with other equipment or moving parts. Use cable ties or clips if necessary to secure the cable and prevent strain on the connectors.
6. **Power On:** Once the cable is securely connected, you may power on your Icom radio and HM127 microphone.



*Image: The Icom OPC-1000 20-foot cable, featuring male-to-male connectors for reliable connection between Icom radio units and HM127 microphones.*

## OPERATING INSTRUCTIONS

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The Icom OPC-1000 cable functions as a direct replacement or extension for the original HM127 microphone cable. Once properly installed, it allows the HM127 microphone to communicate with the Icom radio unit over an extended distance.

- **Functionality:** The cable transmits audio signals and control commands between the HM127 microphone and the radio.
- **Testing:** After installation, perform a communication test to ensure proper functionality. Transmit and receive audio to confirm clear signal transmission.
- **Extension:** The 20-foot length provides flexibility for mounting the radio unit in a remote location while keeping the microphone accessible.

## MAINTENANCE

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Proper maintenance ensures the longevity and reliable performance of your OPC-1000 cable.

- **Cleaning:** Use a soft, dry cloth to wipe down the cable and connectors. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, coil the cable loosely to prevent kinks and damage. Store it in a clean, dry place away from extreme temperatures and direct sunlight.
- **Inspection:** Periodically inspect the cable for any signs of wear, damage, or corrosion on the connectors.

## TROUBLESHOOTING

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If you experience issues with your OPC-1000 cable, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No audio from microphone	Loose connection; Damaged cable; Incorrect port.	Ensure both ends of the cable are securely connected. Inspect the cable for damage. Verify the cable is connected to the correct microphone input port on the radio.
Intermittent connection	Loose connection; Cable strain; Connector issue.	Check all connections for tightness. Ensure the cable is not under tension or sharply bent. Inspect connectors for bent pins or debris.
Poor audio quality	Cable interference; Damaged cable; Connector issue.	Route the cable away from sources of electrical interference. Inspect the cable for internal damage. Clean connectors if necessary.

If troubleshooting steps do not resolve the issue, contact Icom customer support or a qualified service technician.

## SPECIFICATIONS

Feature	Detail
Model	OPC-1000
Length	20 feet (approx. 6.1 meters)
Connector Gender	Male-to-Male
Color	Black
Shape	Round
Compatible Devices	Icom HM127 Microphone
Usage Environment	Indoor, Outdoor
Item Weight	2 Pounds (approx. 0.91 kg)

## WARRANTY AND SUPPORT

The Icom OPC-1000 cable is covered by Icom's standard manufacturer warranty. For specific warranty terms and conditions, please refer to the documentation provided with your Icom radio unit or visit the official Icom website.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Icom customer service:

- **Icom America Website:** [www.icomamerica.com](http://www.icomamerica.com)
- **Contact Information:** Refer to the "Support" or "Contact Us" section on the Icom America website for phone numbers and email addresses.

Please have your product model (OPC-1000) and any relevant purchase information ready when contacting support.

