

STANDARD HORIZON CT-100

Standard Horizon CT-100 23FT Extension Cable User Manual

Model: CT-100 | Brand: STANDARD HORIZON

1. INTRODUCTION AND PRODUCT OVERVIEW

The Standard Horizon CT-100 is a 23-foot (7-meter) extension cable designed to extend the reach of your marine radio microphone or remote access unit. This cable provides additional length for flexible placement of your microphone, enhancing communication convenience on your vessel. It is engineered for reliable performance in marine environments.

What's in the Box

- 1 x Standard Horizon CT-100 23FT Extension Cable

Key Features

- **Extended Reach:** Provides 23 feet (7 meters) of additional cable length.
- **Signal Clarity:** Designed to maintain clear signal and voice quality.
- **Durable Construction:** Rugged build for long-lasting performance in demanding marine conditions.
- **Plug-and-Play:** Simple connection for expanding your communication system.
- **Compatibility:** Compatible with various Standard Horizon marine radios and remote microphones (e.g., RAM+, CMP25, CMP30, CMP31, SSM-70H).

STANDARD HORIZON—MARINE

VHF RADIO MICROPHONE EXTENSION CABLE



23 FT (7 METERS) CABLE

PLUG-AND-PLAY DESIGN FOR SECOND STATION



Image 1.1: The Standard Horizon CT-100 23-foot extension cable, coiled, highlighting its length and plug-and-play design for a second station.

2. SETUP AND INSTALLATION

The CT-100 extension cable is designed for straightforward installation to extend the connection between your marine radio and a compatible remote microphone or accessory.

Compatibility Check

Ensure your device is compatible with the CT-100 cable. This cable is designed for use with Standard Horizon marine radios and remote microphones such as:

- GX1280S, PS2000, PS1000, GX1500S, GX3000S, CPV350, GX5000S, CPV550
- Remote Microphones: CMP25, CMP30, CMP31, SSM-70H

COMPATIBLE WITH

*CMP25, CMP30, CMP31, SSM-70H,
AND SCU-30 MICROPHONES*

IDEAL FOR

RAM+ AND REMOTE ACCESS MICROPHONES



MAINTAINS SIGNAL CLARITY

AND VOICE QUALITY ACROSS THE FULL CABLE LENGTH



**NOTHING TAKES
TO WATER LIKE
STANDARD HORIZON**



Image 2.1: Close-up of the CT-100 cable connectors, illustrating compatibility with various Standard Horizon remote microphones and maintaining signal clarity.

Installation Steps

1. **Power Off:** Before connecting, ensure your marine radio and any connected devices are powered off.
2. **Identify Connectors:** The CT-100 cable features male-to-male proprietary plugs with 4 pins on each end. One end connects to the main radio unit, and the other end connects to the existing remote microphone cable.
3. **Connect to Radio:** Plug one end of the CT-100 extension cable into the designated extension port on your Standard Horizon marine radio. Ensure a secure connection.
4. **Connect to Remote Cable:** Plug the other end of the CT-100 extension cable into the corresponding connector of your remote microphone's cable. Note that this cable extends the existing remote cable; it does not directly connect to the remote microphone itself if the remote microphone has a different connector type.
5. **Secure Routing:** Route the cable securely, avoiding areas where it might be pinched, cut, or exposed to excessive strain. Use cable ties or clamps if necessary to keep the cable tidy and protected.
6. **Power On:** Once all connections are secure, power on your marine radio and test the remote microphone functionality.

**IDEAL FOR EXTENDING
COMMUNICATION CONVENIENCE
THROUGHOUT YOUR VESSEL**



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TO WATER LIKE
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Image 2.2: The CT-100 extension cable shown next to a RAM-4 microphone, illustrating its role in extending communication convenience throughout a vessel.

Important Note: This cable is designed to extend the existing cable run for remote microphones. It is not intended to directly connect to all remote microphones, especially those with different connector types than the extension cable itself. Always refer to your specific radio and remote microphone manuals for detailed wiring diagrams and compatibility information.

3. OPERATION

The CT-100 extension cable is a passive component that facilitates the connection between your marine radio and its remote microphone. Once properly installed, its operation is seamless and integrated with your existing communication system.

Using the Extended Setup

- After installation, operate your remote microphone as you normally would. The CT-100 cable ensures that audio signals and control commands are transmitted reliably over the extended distance.
- The cable is designed to maintain signal clarity and voice quality, ensuring clear, uninterrupted VHF audio

transmission.

- Enjoy the flexibility of placing your remote microphone in a more convenient location on your vessel, such as a second helm station or a different area of the cockpit.



***PROVIDES EXTENDED REACH
FOR FLEXIBLE RADIO INSTALLATION***

***DESIGNED FOR LONG SERVICE
LIFE UNDER MARINE CONDITIONS***

***SUPPORTS CLEAR,
UNINTERRUPTED VHF AUDIO TRANSMISSION***

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TO WATER LIKE
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Image 3.1: The CT-100 cable connectors, emphasizing its extended reach for flexible radio installation and support for clear VHF audio transmission.

4. MAINTENANCE

The Standard Horizon CT-100 extension cable is built for durability in marine environments. Minimal maintenance is required to ensure its longevity and reliable performance.

General Care

- **Regular Inspection:** Periodically inspect the cable for any signs of wear, cuts, kinks, or damage to the outer PVC jacket. Check the connectors for corrosion or bent pins.
- **Cleaning:** If the cable or connectors become dirty, gently wipe them with a clean, damp cloth. Avoid using harsh chemicals or abrasive cleaners. Ensure connectors are dry before re-connecting.
- **Secure Routing:** Ensure the cable remains securely routed and protected from physical damage, excessive

bending, or exposure to sharp edges.

- **Connector Protection:** When not in use or during storage, consider using protective caps for the connectors to prevent dirt, moisture, and corrosion.

***RUGGED CONSTRUCTION
FOR LONG-LASTING PERFORMANCE IN
DEMANDING ENVIRONMENTS***

***DEPENDABLE CONNECTION
EVEN IN CHALLENGING WEATHER
OR AT-SEA CONDITIONS***

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Image 4.1: The CT-100 cable connectors, highlighting its rugged construction and dependable connection for challenging weather and at-sea conditions.

5. TROUBLESHOOTING

If you experience issues with your extended microphone setup, follow these troubleshooting steps.

Common Issues and Solutions

- **No Audio/Intermittent Audio:**
 - Ensure all cable connections (radio to CT-100, CT-100 to remote cable) are secure and fully seated.
 - Check for any visible damage to the cable (cuts, severe kinks).
 - Inspect connectors for bent pins or corrosion. Clean if necessary.
 - Test the remote microphone directly with the radio (without the extension cable) to isolate the issue.

- **Poor Voice Quality/Static:**

- Verify that the cable is not routed near sources of strong electromagnetic interference (e.g., high-power electrical cables, motors).
- Ensure connectors are clean and free of debris.
- Confirm the cable is not excessively coiled or tangled, which can sometimes introduce interference.

- **Remote Microphone Not Responding:**

- Check all power connections to the radio and remote microphone (if applicable).
- Ensure the remote microphone is correctly connected to its original cable, and that cable is then connected to the CT-100.
- Consult your marine radio and remote microphone manuals for specific troubleshooting steps related to those devices.

If these steps do not resolve the issue, contact Standard Horizon customer support for further assistance.

6. SPECIFICATIONS

Feature	Specification
Model Name	CT-100
Brand	STANDARD HORIZON
Cable Length	23 feet (7 meters)
Connector Type	Proprietary Plug
Connector Gender	Male-to-Male
Number of Pins	4
Cable Type	Coaxial
Outer Material	Polyvinyl Chloride (PVC)
Color	Black
Item Weight	0.8 Pounds
Recommended Uses	Extension for marine radio microphones and remote access units
Compatible Devices	GX1280S, PS2000, PS1000, GX1500S, GX3000S, CPV350, GX5000S, CPV550, CMP25, CMP30, CMP31, SSM-70H
Indoor/Outdoor Usage	Indoor, Outdoor

7. WARRANTY AND SUPPORT

Warranty Information

The Standard Horizon CT-100 extension cable comes with a manufacturer's warranty. For specific details regarding

the warranty period, coverage, and terms, please refer to the warranty documentation included with your product or visit the official Standard Horizon website.

Customer Support

For technical assistance, troubleshooting beyond the scope of this manual, or warranty claims, please contact Standard Horizon customer support:

- **Website:** Visit the official Standard Horizon website for support resources, FAQs, and contact information.
- **Contact:** Refer to your product packaging or the Standard Horizon website for the most current customer service phone numbers or email addresses.

When contacting support, please have your product model (CT-100) and any relevant purchase information ready.