

YAESU CT-58

YAESU CT-58 Band Data Cable Instruction Manual

For HF Transceivers

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your YAESU CT-58 Band Data Cable. Please read this manual thoroughly to ensure correct usage and to maximize the performance and longevity of your cable.

The YAESU CT-58 is designed to facilitate band data communication between compatible YAESU HF transceivers and external devices, such as linear amplifiers or antenna tuners, that require band information for automatic operation.

2. PRODUCT OVERVIEW

The CT-58 is a genuine YAESU accessory engineered for reliable data transfer. It features specific connectors designed to interface seamlessly with YAESU HF transceivers and related equipment.





Figure 1: YAESU CT-58 Band Data Cable and its original packaging. The cable is coiled and sealed in plastic, next to a brown cardboard box labeled "BAND DATA CABLE CT-58" with manufacturing details.

Key Features:

- Genuine YAESU accessory for assured compatibility and quality.
- Enables band data communication for automatic control of external devices.
- Durable construction for reliable long-term use.

3. SETUP AND CONNECTION

Follow these steps to correctly connect your CT-58 Band Data Cable:

1. **Identify Compatible Devices:** Ensure your YAESU HF transceiver and the external device (e.g., linear amplifier, antenna tuner) are compatible with the CT-58 cable. Refer to the manuals of your transceiver and external device for specific port requirements. Compatible transceivers include, but are not limited to:

- YAESU FT-891
 - YAESU FT-991A
 - YAESU FT-991
 - YAESU FT-857D
 - YAESU FT-920
 - YAESU VL-1000 (Linear Amplifier)
2. **Power Off Equipment:** Before making any connections, ensure both your transceiver and the external device are powered off and unplugged from their power sources to prevent damage.
 3. **Connect to Transceiver:** Locate the "BAND DATA" or similar port on your YAESU HF transceiver. Connect one end of the CT-58 cable to this port. The cable features male-to-male connectors, typically a multi-pin DIN connector on one end and a 3.5mm stereo mini-plug on the other, depending on the specific transceiver model.
 4. **Connect to External Device:** Connect the other end of the CT-58 cable to the corresponding "BAND DATA INPUT" or control port on your external device.
 5. **Secure Connections:** Ensure all connections are firm and secure. Avoid overtightening.
 6. **Power On:** Once connections are secure, you may power on your external device first, then your YAESU HF transceiver.

Refer to your transceiver's and external device's operating manuals for specific configuration settings related to band data output and input.

4. OPERATING INSTRUCTIONS

The CT-58 Band Data Cable functions as a passive link, transmitting band information from your YAESU HF transceiver to a compatible external device. Its operation is largely dependent on the settings within your transceiver and the capabilities of the connected external device.

- **Automatic Band Switching:** When properly connected and configured, the CT-58 cable allows your external device (e.g., linear amplifier, antenna tuner) to automatically switch bands in sync with your transceiver. As you change frequencies or bands on your transceiver, the band data is sent via the CT-58, prompting the external device to adjust accordingly.
- **Transceiver Settings:** Consult your transceiver's instruction manual for details on enabling and configuring band data output. Some transceivers may require specific menu settings to activate the band data port.
- **External Device Settings:** Similarly, refer to the manual of your external device to ensure it is configured to receive and interpret band data signals from the CT-58 cable.

Note: The CT-58 cable itself does not require any software installation or driver configuration. Its function is purely hardware-based data transmission.

5. MAINTENANCE

The YAESU CT-58 Band Data Cable is designed for durability and requires minimal maintenance. Adhering to these guidelines will help ensure its longevity:

- **Storage:** When not in use, 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:** If necessary, gently wipe the cable and connectors with a soft, dry cloth. Do not use harsh

chemicals, solvents, or abrasive materials, as these can damage the cable's insulation or connector plating.

- **Handling:** Always grasp the connector housing when plugging or unplugging the cable. Avoid pulling on the cable itself, as this can strain the connections and lead to internal damage.
- **Inspection:** Periodically inspect the cable for any signs of wear, such as frayed insulation, bent pins, or damaged connectors. If damage is observed, discontinue use and replace the cable.

6. TROUBLESHOOTING

If you encounter issues while using your CT-58 Band Data Cable, consider the following troubleshooting steps:

- **No Band Data Transfer:**
 - **Check Connections:** Ensure the cable is securely plugged into both the transceiver's band data port and the external device's input port.
 - **Verify Compatibility:** Confirm that both your transceiver and external device are compatible with the CT-58 cable and support band data communication.
 - **Transceiver Settings:** Review your transceiver's menu settings to ensure band data output is enabled and configured correctly.
 - **External Device Settings:** Check the external device's settings to ensure it is configured to receive band data.
 - **Cable Integrity:** Inspect the cable for any visible damage. If possible, test with a known working cable to rule out a faulty CT-58.
- **Intermittent Operation:**
 - **Loose Connections:** Re-seat both ends of the cable to ensure a solid connection.
 - **Interference:** Ensure the cable is routed away from power lines, RF cables, and other sources of electrical interference.

If problems persist after following these steps, consult the operating manuals for your transceiver and external device, or contact YAESU customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Name	CT-58
Brand	YAESU
Cable Type	Band Data Interface Cable
Connector Type	Specific to YAESU HF Transceivers (e.g., multi-pin DIN, 3.5mm mini-plug)
Connector Gender	Male-to-Male
Compatible Devices	YAESU HF Transceivers (e.g., FT-891, FT-991A, FT-991, FT-857D, FT-920) and YAESU VL-1000 Linear Amplifier
Recommended Uses	Connecting YAESU HF Transceivers to external devices for band data communication

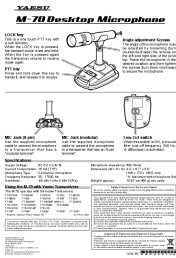
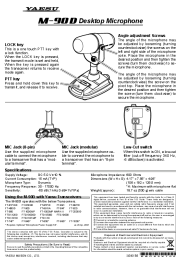
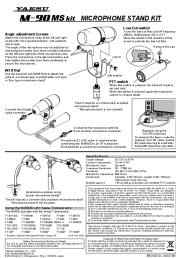
Color	Black
Item Weight	Approximately 4.8 ounces (136 grams)
Indoor/Outdoor Usage	Indoor, Outdoor (as part of a radio setup)
Manufacturer	Yaesu Vertex

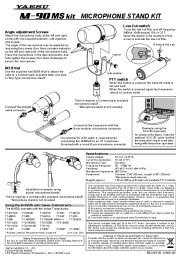
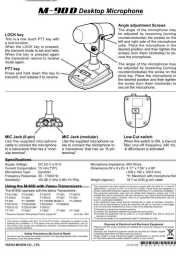
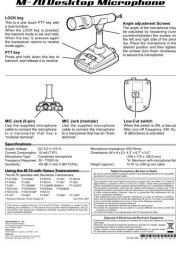
8. WARRANTY AND SUPPORT

The YAESU CT-58 Band Data Cable is manufactured by Yaesu Vertex. For specific warranty information, please refer to the documentation included with your purchase or visit the official YAESU website. Warranty terms and conditions may vary by region and retailer.

For technical support or inquiries regarding the CT-58 cable, please contact YAESU customer service directly through their official website or authorized service centers.

Related Documents - CT-58

	<p>Yaesu M-70 Desktop Microphone: Operation and Specifications</p> <p>Detailed information on the Yaesu M-70 desktop microphone, including its features, specifications, operating instructions, and compatibility with Yaesu transceivers. Learn about the LOCK key, PTT key, angle adjustment, low-cut switch, and connection types.</p>
	<p>Yaesu M-90D Desktop Microphone User Guide</p> <p>This document provides information on the Yaesu M-90D Desktop Microphone, including its features, specifications, and compatibility with Yaesu transceivers. It details the LOCK key, PTT key, angle adjustment screws, MIC jacks, and low-cut switch. The guide also includes safety precautions and disposal information for electronic equipment.</p>
	<p>Yaesu M-90MS Microphone: Features, Specifications, and Compatibility Guide</p> <p>Detailed information on the Yaesu M-90MS microphone, including its features, technical specifications, connection guide, and compatibility with Yaesu transceivers. Learn about its PTT switch, low-cut filter, and stand kit integration for amateur radio communication.</p>

	<p>Yaesu M-90MS Microphone Stand Kit: Setup and Specifications</p> <p>Comprehensive guide to the Yaesu M-90MS Microphone Stand Kit, detailing its features, assembly, connection to Yaesu transceivers, technical specifications, and compliance information. Includes compatibility list and safety guidelines.</p>
	<p>Yaesu M-90D Desktop Microphone User Guide and Specifications</p> <p>Detailed guide for the Yaesu M-90D Desktop Microphone, covering its features like PTT and LOCK keys, angle adjustment, connectivity options (8-pin and modular MIC jacks), and technical specifications. Includes information on compatible Yaesu transceivers and FCC compliance.</p>
	<p>Yaesu M-70 Desktop Microphone - Features, Specifications, and Compatibility</p> <p>Detailed information about the Yaesu M-70 Desktop Microphone, including its features, technical specifications, compatible Yaesu transceivers, and safety guidelines.</p>