

CRT TX 000185

CRT MegaPro Multinorm CB Radio User Manual

Model: TX 000185

INTRODUCTION

The CRT MegaPro is a modern multinorm CB mobile device designed for reliable communication. It features automatic 12V/24V power switching, making it ideal for installation in various vehicles, including trucks and cars. The included remote-controlled hand microphone enhances ease of operation.

This manual provides detailed instructions for setting up, operating, and maintaining your CRT MegaPro CB radio, along with troubleshooting tips and technical specifications.



Image: The CRT MegaPro CB radio unit connected to its hand microphone, showcasing the main components of the device.

SETUP

Unpacking and Component Identification

Carefully unpack all components from the box. Verify that all items listed below are present:

- CRT MegaPro CB Radio Unit
- Hand Microphone with Remote Control
- Power Cable (12V/24V compatible)
- Mounting Bracket
- Small Parts (screws, washers, etc.)



Image: All components of the CRT MegaPro CB radio laid out, including the main unit, microphone, power cable, and mounting accessories.

Installation

The CRT MegaPro is designed for mobile installation in vehicles. Ensure the mounting location is secure, allows for proper ventilation, and does not obstruct the driver's view or vehicle controls.

1. **Mounting the Bracket:** Secure the mounting bracket to a stable surface in your vehicle using the provided screws.
2. **Connecting the Antenna:** Connect a suitable CB antenna (not included) to the antenna connector on the rear of the radio unit. Ensure a good ground connection for optimal performance.
3. **Power Connection:** Connect the supplied power cable to the 12V or 24V DC power source of your vehicle. The radio automatically detects the voltage. Ensure correct polarity (red to positive, black to negative).
4. **Microphone Connection:** Plug the 6-pin microphone cable into the microphone jack on the front panel of the radio.
5. **Securing the Unit:** Slide the radio unit into the mounted bracket and secure it with the provided knobs or screws.



Image: Rear view of the CRT MegaPro CB radio, showing the antenna connector, power input, and external speaker/S-meter jacks.

OPERATING INSTRUCTIONS

Front Panel Controls



Image: Close-up of the CRT MegaPro CB radio's front panel, displaying the LCD screen, volume, squelch, and function buttons.

- **VOL/OFF Knob:** Rotate to turn the unit ON/OFF and adjust the audio volume.
- **SQ Knob:** Adjusts the manual Squelch level to suppress background noise.
- **ASQ Button:** Activates/deactivates Automatic Squelch (ASQ) for automatic noise blocking.
- **FUNC Button:** Accesses secondary functions of other buttons.
- **MODE Button:** Switches between AM and FM modulation modes.
- **SCAN Button:** Initiates channel scanning to find active channels.
- **DW Button:** Activates Dual Watch function to monitor two channels simultaneously.
- **EMG Button:** Direct access to emergency channels (e.g., Channel 9/19).
- **F/C Button:** Function/Channel button, often used for frequency display or channel band selection.
- **LCD Display:** Shows current channel, frequency, mode, S-meter, and other status indicators. Features a switchable color backlight (7 colors).

Hand Microphone Controls







Image: Close-up of the CRT MegaPro hand microphone, showing the numeric keypad and function buttons for remote control.

- **PTT (Push-To-Talk) Button:** Located on the side of the microphone, press to transmit, release to receive.
- **Up/Down Buttons:** Used to change channels or navigate menus.
- **Numeric Keypad:** For direct channel entry or accessing specific functions (e.g., DTMF tones).
- **Function Buttons:** Additional buttons for features like MONI (monitor), CALL, SET, H/L (High/Low power, if applicable).
- **LOCK/DTMF Switch:** Locks the keypad or activates DTMF tone transmission.

Basic Operation

1. **Power On:** Rotate the VOL/OFF knob clockwise until the unit powers on and the display illuminates.
2. **Adjust Volume:** Continue rotating the VOL/OFF knob to set a comfortable listening volume.
3. **Set Squelch:** Rotate the SQ knob clockwise until background static disappears. For automatic squelch, press the ASQ button.
4. **Select Channel:** Use the Up/Down buttons on the microphone or the numeric keypad to select your desired channel (e.g., Channel 19 for trucker channels).
5. **Select Mode:** Press the MODE button to switch between AM (Amplitude Modulation) and FM (Frequency Modulation) as required by your region or communication partner.
6. **Transmit:** Press and hold the PTT button on the microphone, speak clearly into the microphone, then release the PTT button to listen for a response.

Maintenance

To ensure the longevity and optimal performance of your CRT MegaPro CB radio, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all cable connections (power, antenna, microphone) to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure the radio's ventilation openings are not blocked to prevent overheating.
- **Storage:** If storing the radio for an extended period, disconnect it from power and store it in a dry, dust-free environment.

Note: There are no user-serviceable parts inside the unit. Refer all servicing to qualified personnel.

Troubleshooting

If you experience issues with your CRT MegaPro CB radio, consult the following common troubleshooting steps before seeking professional assistance:

| Problem | Possible Cause | Solution |
|-------------------------------|---|---|
| No Power | Power cable disconnected; Blown fuse; Vehicle power issue. | Check power cable connection; Inspect and replace fuse if necessary; Verify vehicle's 12V/24V power supply. |
| No Reception / Weak Reception | Squelch set too high; Antenna not connected or faulty; Incorrect mode selected. | Lower the SQ level or disable ASQ; Check antenna connection and SWR; Ensure correct AM/FM mode is selected. |
| No Transmission | Microphone not connected; PTT button faulty; Antenna issue. | Ensure microphone is securely plugged in; Test PTT button; Check antenna connection and SWR. |



| Problem | Possible Cause | Solution |
|--------------------------|--|---|
| Excessive Noise / Static | Squelch set too low; Electrical interference from vehicle; Poor antenna grounding. | Increase SQ level or activate ASQ; Check vehicle's electrical system for noise sources; Verify antenna grounding. |

SPECIFICATIONS

| | |
|------------------------|--|
| Brand | CRT |
| Model Number | TX 000185 |
| Color | Black |
| Power Supply | Automatic 12V / 24V DC |
| Number of Channels | 40 (Multinorm, 40 or 80 channels depending on region) |
| Frequency Range | 27 MHz (CB Band) |
| Modulation Modes | AM / FM |
| Transmit Power | 4 W (AM / FM) |
| Special Features | Automatic power switching, DTMF programming (optional PC software), Roger Beep, CTCSS/DCS, S-meter, SCAN, color-switchable LCD screen (7 colors), direct Channel 9/19, Audio Compander, Channel and Frequency display. |
| Compatible Devices | CRT Microphones |
| Dimensions (approx.) | 139 x 184 x 37 mm |
| Weight (approx.) | 850 g (unit only) / 1019 g (item weight including packaging/accessories) |
| Water Resistance Level | Waterproof (<i>Note: This specification may refer to specific components or general robustness, not full submersion.</i>) |

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For further assistance, please contact your local CRT dealer or support.

Related Documents - TX 000185

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|---|--|
|  <p>CRT Compact, Efficient, Reliable, 40-1000 GPM</p> <p>GRUNDFOS</p> | <p>Grundfos CRT Installation and Operating Instructions</p> <p>Comprehensive guide for the installation and operation of Grundfos CRT pumps, covering technical specifications, electrical connections, maintenance, and troubleshooting.</p> |
|  | <p>Cardiac Resynchronization Therapy (CRT) Introduction for Allied Health Professionals</p> <p>An introduction to Cardiac Resynchronization Therapy (CRT) for allied health professionals, covering its definition, history, benefits, patient selection, optimization techniques, and troubleshooting, presented by Abbott.</p> |
| <p>HONOR X8a User Guide</p> <p>HONOR</p> | <p>HONOR X8a User Guide</p> <p>Comprehensive user guide for the HONOR X8a smartphone, covering essential features, smart functions, camera, apps, settings, and troubleshooting.</p> |
| <p>Quick Start Guide</p> <p>CRT-LX1 CRT-LX2 CRT-LX3</p> <p>HONOR</p> | <p>Honor CRT-LX1/LX2/LX3 Quick Start Guide: Setup, Features, and Safety Information</p> <p>Comprehensive quick start guide for Honor CRT-LX1, CRT-LX2, and CRT-LX3 smartphones. Covers device overview, basic operations, SIM card setup, safety precautions, regulatory compliance, and FCC statements.</p> |
|  <p>Husqvarna</p> <p>CRT 48-35L CRT 48-37V CRT 48-57K</p> <p>Operator's manual, EN</p> | <p>Husqvarna CRT48 Ride-On Trowel Operator's Manual</p> <p>Operator's manual for the Husqvarna CRT48 series of ride-on trowels (CRT 48-35L, CRT 48-37V, CRT 48-57K). Covers safety, operation, maintenance, technical data, and schematics. Includes Wacker Neuson references.</p> |

A GUIDE TO SETUP
AND ADJUST THE CRT
OF AN ARCADE COLOR
MONITOR

THOMAS CARLSSON

[Arcade Monitor CRT Setup and Adjustment Guide](#)

A comprehensive technical guide detailing the setup and adjustment procedures for Cathode Ray Tube (CRT) components in arcade monitors. Covers purity, convergence, tracking, and specific model instructions for Wells-Gardner and Amplifone monitors.