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Krüger&Matz KM2012

Krüger&Matz KM2012 1-DIN Car Radio User Manual

Model: KM2012 | Brand: Krüger&Matz

INTRODUCTION

Thank you for choosing the Krüger&Matz KM2012 1-DIN Car Radio. This manual provides essential information for the proper installation, operation, and maintenance of your new car radio. Please read this manual thoroughly before using the device to ensure optimal performance and safety.

The KM2012 is designed to enhance your in-car audio experience with its versatile multimedia playback, Bluetooth connectivity, and user-friendly interface. Its 4-inch display and customizable RGB backlight offer a modern and functional design.

PACKAGE CONTENTS

Please check the box for the following items:

- Main Unit (Krüger&Matz KM2012 Car Radio)
- Power Harness
- Mounting Sleeve (Half Pocket)
- Mounting Accessories (Keys/Brackets)

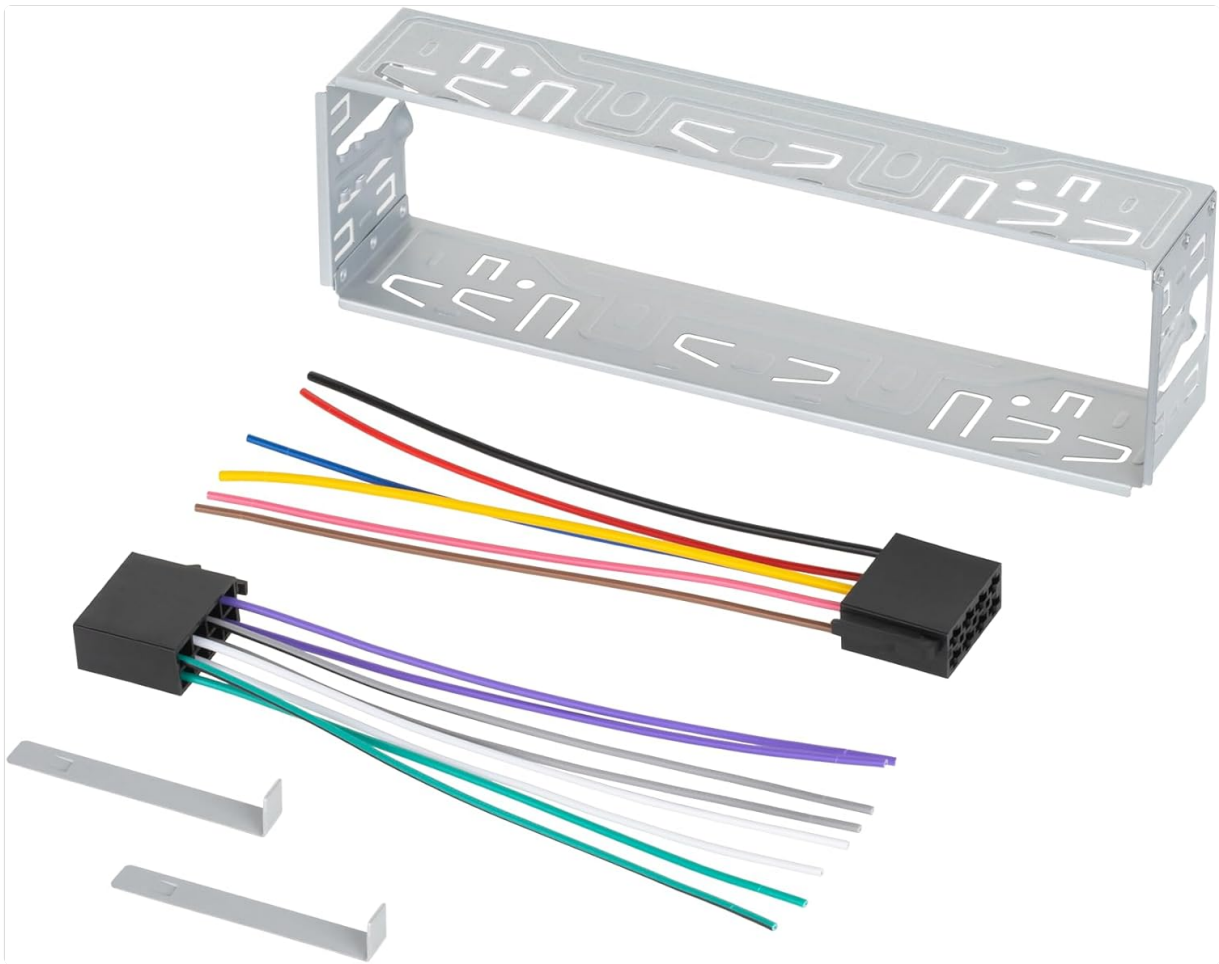


Image: Contents of the Kruger&Matz KM2012 package, showing the main unit, power harness, mounting sleeve, and mounting keys.

SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not expose the unit to moisture, rain, or extreme temperatures.
- Only use the specified power supply (10.8 - 14.4 V DC).
- Consult a qualified technician for installation if you are unsure about the wiring or mounting process.
- Keep the volume at a level that allows you to hear external traffic sounds.

SETUP AND INSTALLATION

Wiring Diagram

Before installation, ensure the vehicle's battery is disconnected. Refer to the diagram below for proper wiring connections. Incorrect wiring can cause damage to the unit or vehicle's electrical system.

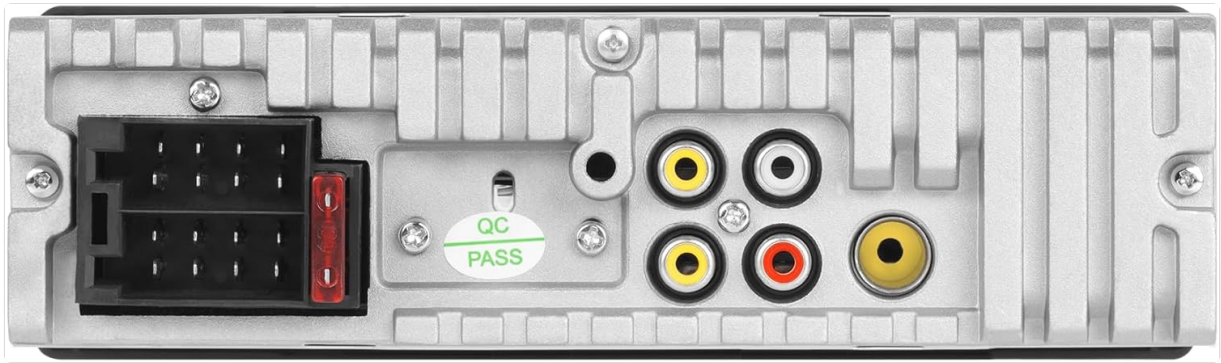


Image: Rear panel of the KM2012 car radio, illustrating the ISO power connector, RCA audio outputs, and antenna input for wiring reference.

Key Connections:

- **ISO Connector:** Standard connection for power (constant 12V, ignition 12V, ground) and speaker outputs.
- **RCA Outputs:** For connecting external amplifiers.
- **Rear Camera Input:** Connect a compatible rear-view camera for automatic display when reversing.
- **Antenna Input:** Connect your vehicle's radio antenna.

Mounting the Unit

The KM2012 is a 1-DIN size unit. Use the provided mounting sleeve and accessories for secure installation in your vehicle's dashboard.

1. Insert the mounting sleeve into the dashboard opening until it locks into place.
2. Connect all necessary wiring harnesses to the rear of the car radio.
3. Carefully slide the car radio into the mounting sleeve until it clicks securely.
4. Attach the trim frame around the unit for a finished look.

OPERATING INSTRUCTIONS

Front Panel Overview

Familiarize yourself with the buttons and controls on the front panel:



Image: Front view of the KM2012 car radio, highlighting the 4-inch display, rotary volume knob, mode button, mute button, and various function buttons for media control and radio tuning.

- **Power/Volume Knob:** Press to turn on/off, rotate to adjust volume.
- **MODE Button:** Cycles through input sources (Radio, USB, MicroSD, AUX, Bluetooth).
- **MUTE Button:** Mutes/unmutes audio output.

- **BND/AMS Button:** In radio mode, selects FM/AM bands; long press for automatic station search.
- **Navigation Buttons (◀◀ / ▶▶):** Skips tracks/stations.
- **USB Port:** For USB flash drives.
- **MicroSD Slot:** For microSD cards.
- **AUX Input:** 3.5mm jack for external audio devices.

Radio Tuner Operation

- **Selecting Band:** Press the BND/AMS button to switch between FM1, FM2, FM3, and AM1, AM2.
- **Automatic Search:** Long press the BND/AMS button to automatically scan and store strong stations.
- **Manual Search:** Use the navigation buttons (◀◀ / ▶▶) to manually tune frequencies.
- **RDS Functions (AF/TA/PTY):** Access these functions via the display menu for alternative frequencies, traffic announcements, and program type search.

Media Playback (USB, MicroSD, AUX)

- **USB/MicroSD:** Insert a USB drive or microSD card into the respective slot. The unit will automatically switch to USB/SD mode and begin playback of compatible audio/video/image files.
- **Supported Formats:** Audio (MP3, WMA, OGG, FLAC), Video (MP4, AVI, WMA), Images (JPG, PNG).
- **AUX Input:** Connect an external audio device (e.g., smartphone, MP3 player) to the 3.5mm AUX jack. Press the MODE button to select AUX input.

Bluetooth Connectivity

The KM2012 supports Bluetooth 4.0 for wireless audio streaming and hands-free calling.

1. **Pairing:** Ensure Bluetooth is enabled on your mobile device. Select "KM2012" from the list of available devices. No password is typically required.
2. **Hands-Free Calling:** Once paired, you can make and receive calls directly through the car radio. The built-in microphone ensures clear communication.
3. **Audio Streaming:** Play music from your paired device wirelessly. Use the radio's controls to play/pause, skip tracks.

Equalizer Settings

Adjust the audio output to your preference using the equalizer settings:

- Access the equalizer menu via the display.
- Choose from preset modes: Pop, Rock, Classic, Jazz, or customize your own User settings.

Display Settings

The 4-inch display's brightness can be adjusted for optimal visibility in various lighting conditions. Navigate to the display settings menu to modify brightness levels.

Remote Control Usage

The included remote control provides convenient access to various functions from a distance.





Image: The remote control for the KM2012 car radio, featuring buttons for power, volume, mode selection, track navigation,

radio presets, and equalizer settings.

Refer to the remote control's button labels for specific functions, including power, volume, mode selection, track skipping, and radio tuning.

MAINTENANCE

To keep your KM2012 car radio in optimal condition:

- Clean the front panel and display with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure no liquids enter the unit.
- Avoid exposing the unit to direct sunlight or extreme heat for prolonged periods.

TROUBLESHOOTING

If you encounter issues with your KM2012, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle battery low	Check wiring connections; Replace fuse (if applicable, <10A); Check vehicle battery.
No sound	Volume too low; Mute activated; Speaker wiring issue	Increase volume; Deactivate mute; Check speaker connections.
Bluetooth not connecting	Bluetooth not enabled on device; Device too far; Interference	Ensure Bluetooth is on; Bring device closer; Restart both devices.
USB/MicroSD not playing	Unsupported file format; Corrupted media; Incorrectly inserted	Check file formats; Try another USB/MicroSD; Reinsert media correctly.
Poor radio reception	Antenna not connected; Weak signal area; Interference	Check antenna connection; Move to an area with better signal; Check for external interference.

If the problem persists after trying these solutions, please contact customer support.

SPECIFICATIONS

Feature	Specification
Size	1 DIN
Display Size	4 inches
Display Resolution	480 x 800 Pixels
Aspect Ratio	16:9
Backlight Color	RGB
Max Power Output	4 x 25 W

Feature	Specification
Effective Power Output	4 x 10 W
SNR (Signal-to-Noise Ratio)	43 dB
Power Supply	10.8 - 14.4 V DC
Impedance	4 ohms
Fuse	<10 A
Mounting Depth	12 cm
Bluetooth Version	4.0
FM Frequency Range	87.5 - 108 MHz
FM Channel Memory	18
AM Channel Memory	12
Operating Temperature	-20 °C to 70 °C
Operating Humidity	<80%

WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, service, or warranty claims, please contact your retailer or the official Krüger&Matz customer service.

Keep your purchase receipt as proof of purchase for any warranty-related inquiries.