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MR12VOLT 1601BM-IT

MR 12 VOLT Most Bus BMW M-Ask CCC CIC Professional CD Bluetooth Interface User Manual

Comprehensive guide for installation, operation, and maintenance.

PRODUCT OVERVIEW

The MR 12 VOLT Most Bus Bluetooth Interface is designed to integrate modern audio connectivity into compatible BMW vehicles equipped with M-Ask, CCC, or CIC i-Drive systems, or professional CD players without i-Drive. This device emulates an OEM CD changer, allowing for seamless Bluetooth audio streaming, hands-free calling, and USB/AUX playback through your car's existing audio system.



Image: The MR 12 VOLT Bluetooth Interface main unit, showing the AUX IN, SD card slot, USB port, and RESET button on the front panel.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Mr12 V Main Module
- Fiber Optic Wiring (Y-cable)
- Power Wiring
- Microphone (270 cm cable length)

- 3.5mm AUX Input Cable
- 2 Red Scotch Lock Connectors
- 1 Connector for Optical Circuit



Main Module



FO Cable & Loop



Aux Cable



Power Wiring



Microphone

Image: A visual representation of the MR 12 VOLT main module alongside its included accessories: Fiber Optic Cable & Loop, Aux Cable, Power Wiring, and Microphone.

COMPATIBILITY

Radio Compatibility:

- i-Drive CIC
- i-Drive CCC
- M-ASK

- Professional CD player (without i-Drive)

Vehicle Compatibility (BMW Series):

- 1 Series: E81, E82, E87, E88
- 3 Series: E90, E91, E92, E93
- 5 Series: E60, E61
- 6 Series: E63, E64
- X1: E84
- X5: E70
- X6: E71
- Z4: E89

Important Compatibility Notes:

- Your radio must support an external 6-CD changer, as the Mr12Volt P600 emulates this OEM function. If your car does not have a CD changer installed, the CD changer function must be activated by a BMW dealership.
- If an OEM CD changer is already installed, you will need to bypass it, and you will lose the functionality of the original CD changer.
- Track metadata is only supported on CCC and CIC head units.

SETUP AND INSTALLATION

Before Installation:

- Ensure your vehicle's ignition is off and the battery is disconnected before beginning installation.
- Confirm that your car's head unit supports or has activated the external 6-CD changer function. If not, activation by a BMW dealership may be required.
- Familiarize yourself with your vehicle's specific audio system and wiring diagrams. Professional installation is recommended if you are unsure about any steps.

Connection Steps:

1. **Connect the Fiber Optic Y-Cable:** Locate the existing fiber optic connection to your head unit. Use the provided Y-cable to integrate the Mr12Volt module into the MOST bus system. This cable allows the module to emulate the CD changer.
2. **Connect Power Wiring:** Connect the power wiring to a suitable 12V power source and ground in your vehicle. Ensure proper polarity. The red Scotch Lock connectors can be used for secure wire connections if needed.
3. **Connect Microphone:** Plug the microphone into the designated MIC input on the Mr12Volt module. Route the microphone cable (270 cm) to a suitable location for clear voice pickup, such as near the rearview mirror or sun visor.
4. **Connect AUX Input Cable (Optional):** If you plan to use the 3.5mm AUX input, connect the provided cable to the AUX IN port on the module.
5. **Secure the Module:** Find a secure and dry location to mount the Mr12Volt module, ensuring it is not exposed to excessive heat or moisture. Consider the dimensions for placement.

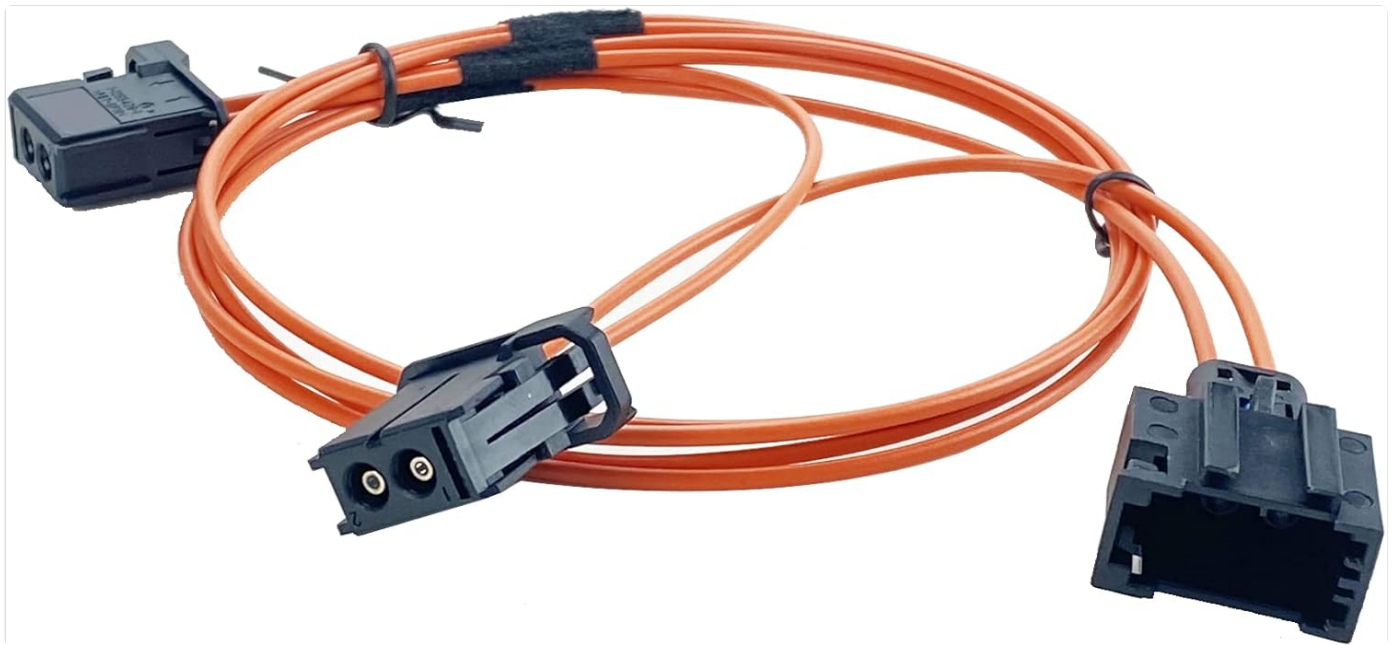


Image: The orange fiber optic Y-cable, essential for integrating the MR 12 VOLT module into the vehicle's MOST bus system, allowing it to emulate a CD changer.

Dimensions



Image: Diagram showing the dimensions of the MR 12 VOLT module: approximately 14.5cm in length, 9cm in width, and 2.5cm in height, useful for planning installation space.

OPERATING INSTRUCTIONS

Basic Operation:

- **Selecting the Source:** Once installed, select the CD changer source on your car's head unit to access the Mr12Volt interface.
- **Bluetooth Audio Streaming:** Pair your smartphone or other Bluetooth-enabled device with the Mr12Volt module. You can then stream music, navigation audio, podcasts, and more through your car's speakers.
- **Hands-Free Calls:** Make and receive calls directly through your car's audio system using the connected

microphone.

- **Steering Wheel Control:** The module supports control via your vehicle's steering wheel buttons for functions like track skipping and volume adjustment.
- **Menu Navigation and Metadata:** The interface provides easy menu navigation. Music information (metadata) is displayed on the car's screen, but only on CCC and CIC head units that support text display.

USB and AUX Playback:

- **USB File System:** Supported file systems for USB drives are FAT16 or FAT32.
- **USB Storage Capacity:** The module supports USB storage devices up to 32 GB for music content.
- **Music Formats:** Supported music formats include MP3 and WMA.
- **AUX Input:** Connect any audio device with a 3.5mm jack to the AUX IN port for direct audio playback.

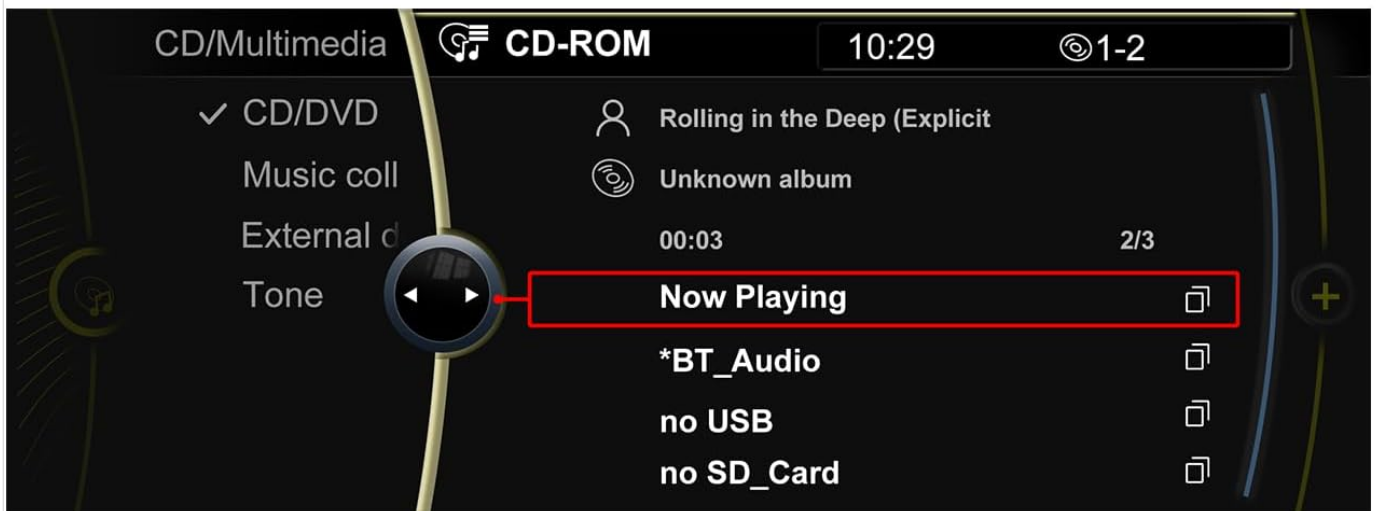


Image: Screenshots of the MR 12 VOLT interface displayed on a BMW iDrive screen, showing selection of "CD-ROM" as the source and the "Now Playing" screen with options for Bluetooth audio, USB, and SD card.

TROUBLESHOOTING

- **No Sound or Device Not Recognized:**
 - Ensure the CD changer function is activated in your car's head unit. This may require activation by a BMW dealership if not already present.

- Check all fiber optic and power connections for secure fitment.
- Verify that the correct source (CD changer) is selected on your head unit.

• **Bluetooth Pairing Issues:**

- Ensure the Mr12Volt module is powered on and discoverable.
- Delete previous Bluetooth pairings from your phone and try pairing again.
- Restart both your phone and the car's audio system.

• **USB Playback Problems:**

- Verify that your USB drive is formatted to FAT16 or FAT32.
- Check that music files are in MP3 or WMA format.
- Ensure the USB drive capacity does not exceed 32 GB.
- Try a different USB drive to rule out drive issues.

• **No Metadata Display:**

- Metadata display is only supported on CCC and CIC head units. If you have an M-ASK or Professional CD player, this feature is not available.

SPECIFICATIONS

Brand	MR12VOLT
Model Number	1601BM-IT
UPC	721295864190
Connectivity Technology	Bluetooth, Aux, USB
Compatible Devices	Smartphone, Computer, Tablet, Radio
USB File System Support	FAT16, FAT32
USB Storage Capacity	Up to 32 GB
Supported Music Formats	MP3, WMA
Microphone Cable Length	270 cm

MAINTENANCE

The MR 12 VOLT Bluetooth Interface is designed for durability and requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the module and connections clean and free from dust and debris.
- Avoid exposing the unit to extreme temperatures, direct sunlight, or excessive moisture.
- Do not attempt to open or modify the module, as this may void any applicable warranty and could cause damage.






WARRANTY AND SUPPORT


For warranty information and technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your proof of purchase for any warranty claims.



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Related Documents - 1601BM-IT

<div><p>Mr12volt MOST CarPlay Interface for BMW CIC</p><p>Quick User Guide</p><p>Model No. : P2000-CICMD</p><p>1. Get you ready to know before installation</p><p>2. Product Features</p><p>3. Main Feature Operations</p><p>4. Car Settings</p><p>5. Sound Settings</p><p>6. USB Supported Formats & Other Specs</p><p>7. FAQ</p></div>	<p>Mr12Volt MOST CarPlay Interface for BMW CIC Quick User Guide</p> <p>A quick user guide for the Mr12Volt MOST CarPlay interface for BMW CIC, covering installation, product features, operations, settings, USB formats, and FAQs.</p>
<div><p>Mr12volt</p><p>1. DEVICE LAYOUT</p><p>BMW CCC/M-ASK</p><p>1.1) Main Interface: Main interface for the device, used for main control.</p><p>1.2) Fiber Optic Port: Fiber optic port for connecting to the car's infotainment system.</p><p>1.3) USB Port: USB port for connecting to external storage devices.</p><p>1.4) Power Port: Power port for connecting to the car's power system.</p><p>1.5) Ground Port: Ground port for connecting to the car's ground system.</p><p>1.6) Antenna Port: Antenna port for connecting to the car's antenna system.</p><p>1.7) Microphone: Microphone for voice control functions.</p></div>	<p>Mr12volt P-2000 Quick Start Guide: BMW CCC/M-ASK Installation & Operation</p> <p>Concise guide for installing and operating the Mr12volt P-2000 interface for BMW CCC/M-ASK systems. Covers device layout, installation diagrams, fiber optic connections, menu navigation, and features like CarPlay, Android Auto, and Mirroring.</p>
<div><p>Mr12volt</p><p>Installation Guide - CIC</p><p>Overview</p><p>This document provides all the information you need to know about the Mr12volt P2000-CICMD module. The guide is divided into several sections, each covering a different aspect of the module's operation. The sections are:</p><ul style="list-style-type: none">• Getting Started• Installation• Operation• Troubleshooting• Appendix<p>Links</p><ul style="list-style-type: none">• Getting Started• Installation• Operation• Troubleshooting• Appendix</div>	<p>Mr12Volt P2000-CICMD Installation Guide for BMW CIC</p> <p>Comprehensive installation guide for the Mr12Volt P2000-CICMD module, detailing the process for integrating it with BMW CIC infotainment systems. Includes tools, steps, and troubleshooting.</p>
<div><p>Audi MMI 2G HIGH</p><p>Quick User Guide</p><p>Model No. : P2000-2G26MD</p><p>MMI</p><p>2G</p><p>Model No. : P2000-2G20MD</p><p>MMI</p><p>2G</p><p>1. Get you ready to know before installation</p><p>2. Product Features</p><p>3. Main Feature Operations</p><p>4. Car Settings</p><p>5. Sound Settings</p><p>6. USB Supported Formats & Other Specs</p><p>7. FAQ</p></div>	<p>Audi MMI 2G HIGH Quick User Guide - Mr12volt</p> <p>Quick user guide for the Mr12volt interface for Audi MMI 2G HIGH systems, covering installation, product features, operations, car settings, sound settings, USB formats, and FAQs. Compatible with models P2000-2G26MD and P2000-2G20MD for Audi A4, A5, A6, A8, and Q7.</p>
<div><p>Mr12volt CarPlay Interface for Mercedes NTG4.5</p><p>Quick User Guide</p><p>Model No. : P2000-NTG45</p><p>1. Get you ready to know before installation</p><p>2. Product Features</p><p>3. Main Feature Operations</p><p>4. Car Settings</p><p>5. Sound Settings</p><p>6. USB Supported Formats & Other Specs</p></div>	<p>Mr12Volt CarPlay Interface for Mercedes NTG4.5/4.7: Quick User Guide</p> <p>Comprehensive quick user guide for the Mr12Volt P2000-NTG45MM CarPlay and Android Auto interface, compatible with Mercedes NTG4.5/4.7 systems. Covers installation, product features, feature operations, car settings, sound adjustments, and USB specifications.</p>

<div><div>Mr12Volt CarPlay Interface for PCM 3.0</div><div>Quick User Guide</div><div>Model No.: P2000-PCM30MD</div><div>Rev: 1.0</div><div>Release / Version: 1.0</div><div>Copyright: © 2020 Mr12Volt</div><div></div><div><div>1. Get acquainted before installation</div><div>2. Product Features</div><div>3. Main Feature Operations</div><div>4. Car Settings</div><div>5. Sound Settings</div><div>6. USB Supported Functions & Other Specs</div><div>7. FAQ</div></div></div>	<div>Mr12Volt CarPlay Interface for PCM 3.0: Quick User Guide & Features</div> <div>Comprehensive guide to the Mr12Volt CarPlay Interface for Porsche PCM 3.0, covering installation, features like CarPlay, Android Auto, mirroring, Bluetooth, camera inputs, sound settings, USB support, and FAQs. Model P2000-PCM30MD.</div>
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