

## Dynavin DVN-E46HRS12V

# Dynavin E46 Double DIN Stereo Dash Kit User Manual

Model: DVN-E46HRS12V

Brand: Dynavin

## INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of the Dynavin E46 Double DIN Stereo Dash Kit. This kit is specifically designed for BMW 3-Series E46 models manufactured between 1998 and 2006 that do not have a factory monitor. Its primary function is to facilitate the installation of an aftermarket double DIN radio by providing a dedicated space and enabling the relocation of the factory HVAC controls.

The kit also integrates convenient USB ports for both charging and multimedia connectivity, enhancing the functionality of your vehicle's audio system.

## PRODUCT OVERVIEW

The Dynavin E46 Double DIN Stereo Dash Kit is a custom-fit solution for integrating aftermarket double DIN head units into your BMW E46. It features a durable matte black finish that blends seamlessly with your vehicle's interior.

Key components include:

- Main dash kit frame for double DIN radio.
- Integrated housing for relocating factory climate control (HVAC).
- One 3A USB port for charging mobile devices.
- One USB port for multimedia connectivity to an aftermarket radio.
- Necessary wiring for USB power and data connections.



Figure 1: Front view of the Dynavin E46 Double DIN Stereo Dash Kit, showcasing the matte black finish and integrated USB ports.



Figure 2: The dash kit shown with the included USB charging and multimedia cables, ready for connection.

## SETUP AND INSTALLATION

Proper installation of the Dynavin E46 Dash Kit is crucial for optimal performance and a seamless fit. This kit requires the relocation of your vehicle's factory climate control unit.

### Pre-installation Checklist

- Ensure your BMW E46 is from the 1998-2006 model year and does not have a factory monitor.
- Gather necessary tools: trim removal tools, screwdrivers (Phillips and flathead), wire cutters/strippers, electrical tape or heat shrink tubing.
- Confirm compatibility of your aftermarket double DIN radio with the kit dimensions.

- Disconnect the vehicle's battery before beginning any electrical work.

## Installation Steps

1. **Remove Factory Components:** Carefully remove the factory radio, trim pieces, and climate control unit from the dashboard. Refer to your vehicle's service manual for specific instructions on trim removal.
2. **Relocate HVAC Controls:** Install the factory climate control unit into the designated lower slot of the Dynavin dash kit. Ensure it snaps securely into place.
3. **Connect USB Charging Port:** The power for the 3A USB charging port is sourced from the vehicle's cigar lighter circuit. Connect the provided wiring harness from the dash kit to the cigar lighter wiring. This connection does not require cutting any factory cables.
4. **Connect Multimedia USB Port:** Connect the multimedia USB cable from the dash kit directly to the multimedia USB input of your aftermarket double DIN radio.
5. **Install Aftermarket Radio:** Mount your aftermarket double DIN radio into the upper opening of the Dynavin dash kit. Secure it using the radio's mounting brackets.
6. **Integrate Dash Kit:** Carefully slide the assembled Dynavin dash kit with the radio and relocated HVAC controls into the vehicle's dashboard opening. Ensure all clips and mounting points align.
7. **Secure and Test:** Secure the dash kit in place. Reconnect the vehicle's battery and test all functions of the aftermarket radio, HVAC controls, and both USB ports.

## BMW E46 HVAC Relocation Bracket installation guide

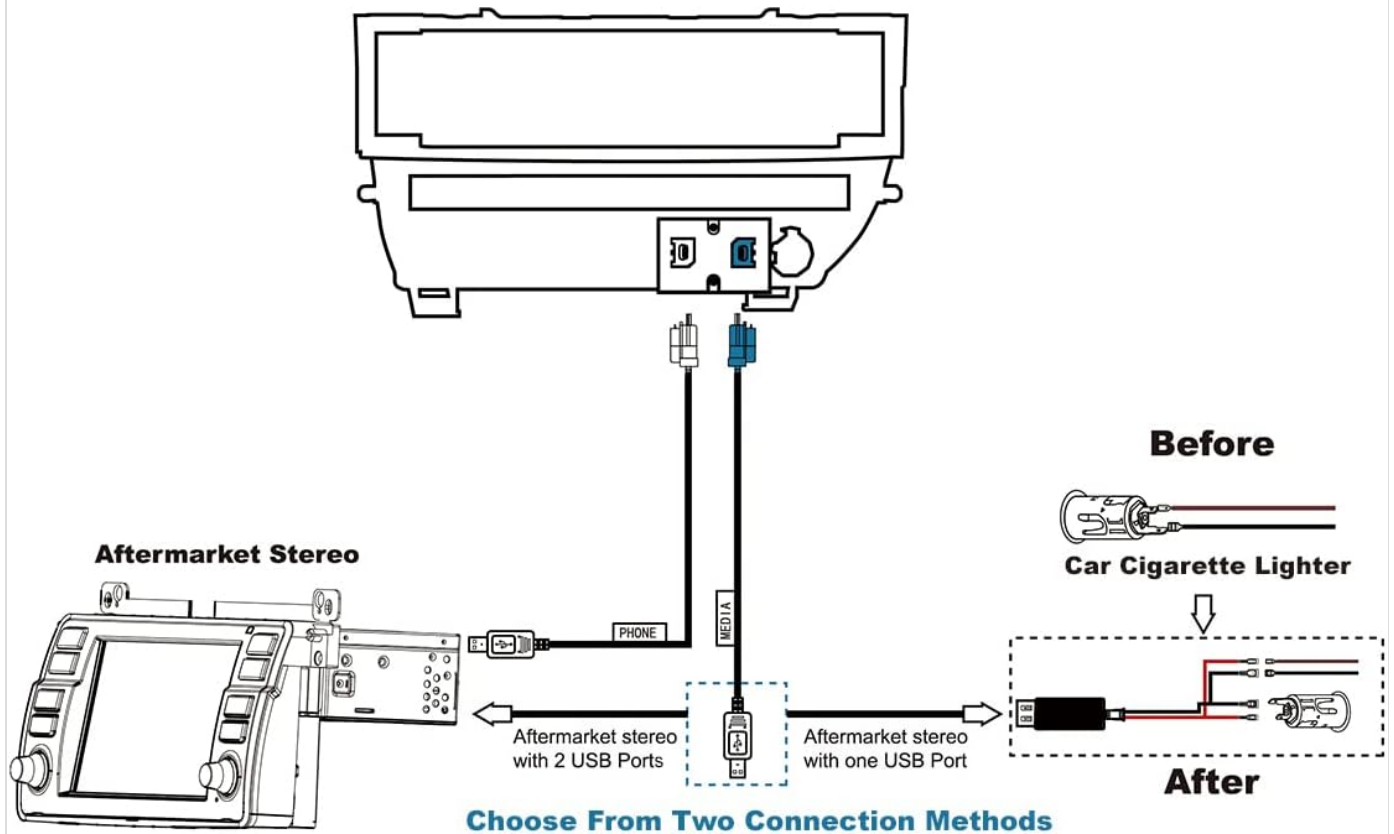


Figure 3: Wiring diagram illustrating the connections for the aftermarket stereo and the integrated USB ports. Note the two connection methods for aftermarket stereos (with 2 USB ports or 1 USB port).



Figure 4: Example of the Dynavin E46 Dash Kit installed in a BMW E46 interior, showing the integrated aftermarket stereo and relocated HVAC controls.



Figure 5: Visual guide for compatible (top, with multiple buttons) and incompatible (bottom, single button) factory button styles for the E46 dash kit. Ensure your vehicle's button style matches the compatible example for proper fitment.

## OPERATING INSTRUCTIONS

Once installed, the Dynavin E46 Dash Kit functions primarily as a housing for your aftermarket radio and relocated HVAC controls. Its integrated USB ports provide additional utility:

- **USB Charging Port (3A):** This port provides a dedicated 3-amp power output for fast charging of compatible mobile phones, tablets, and other USB-powered devices. Simply connect your device's USB charging cable to this port.
- **Multimedia USB Port:** This port is designed to connect directly to the multimedia USB input of your aftermarket radio. Use it to connect USB flash drives, external hard drives, or other compatible storage devices containing audio or video files that your aftermarket radio can play.

The operation of your aftermarket radio and HVAC controls will follow their respective manufacturer's instructions.

## MAINTENANCE

The Dynavin E46 Dash Kit is designed for durability and requires minimal maintenance. To keep it in optimal condition:

- **Cleaning:** Use a soft, damp cloth to wipe down the matte black surface. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **USB Ports:** Ensure the USB ports remain free of dust and debris. Use a can of compressed air to gently clear any obstructions if necessary. Avoid inserting foreign objects into the ports.
- **General Care:** Periodically check that the dash kit remains securely fitted in the dashboard and that all connections are snug.

## TROUBLESHOOTING

If you encounter issues with your Dynavin E46 Dash Kit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
USB charging port not working.	Loose connection to cigar lighter power source; faulty cable; device incompatibility.	Check the connection to the cigar lighter wiring. Ensure the cigar lighter itself is functional. Try a different USB cable and device.
Multimedia USB port not recognized by radio.	Loose connection to aftermarket radio; radio settings; incompatible USB device format.	Verify the USB cable is securely connected to both the dash kit and the aftermarket radio. Check your radio's settings for USB input. Ensure the USB device is formatted correctly and contains compatible media files.
Dash kit does not fit perfectly.	Incorrect vehicle model year; factory components not fully removed; minor manufacturing variations.	Double-check your BMW E46 model year (1998-2006). Ensure all factory trim and components are completely removed. Some users have reported minor adjustments (e.g., dremeling tabs for the OEM cigarette lighter) may be needed for a perfect fit.
HVAC controls do not fit into the relocation slot.	Improper alignment; obstructions.	Ensure the HVAC unit is oriented correctly and gently apply even pressure to snap it into place. Check for any debris or plastic burrs preventing a smooth fit.

If the issue persists after attempting these solutions, please contact customer support.

## SPECIFICATIONS

Attribute	Detail
Brand	Dynavin
Model Number	DVN-E46HRS12V
Compatible Vehicles	BMW 3 Series E46 (1998-2006) without factory monitor
Material	Plastic (Matte Black finish)

Attribute	Detail
USB Charging Port Output	3A (powered by cigar lighter)
Multimedia USB Port	Direct connection to aftermarket radio
Parcel Dimensions	26.11 x 24 x 8.31 cm
Item Weight	372 g
ASIN	B07MPTLSNF

## Warranty Information


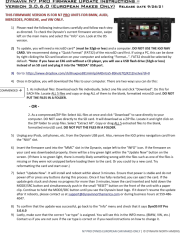
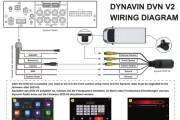
Specific warranty terms and conditions for the Dynavin E46 Double DIN Stereo Dash Kit are provided by the manufacturer, Dynavin. Please refer to the documentation included with your purchase or visit the official Dynavin website for detailed warranty information, including coverage period and claim procedures.



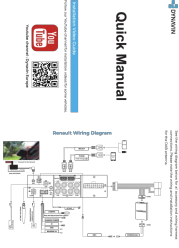
## Customer Support

For technical assistance, installation queries, or warranty claims, please contact Dynavin North America, the official seller of this product. Their contact information can typically be found on their official website or through the retailer where the product was purchased.

When contacting support, please have your product model number (DVN-E46HRS12V) and purchase details readily available to expedite assistance.

### Related Documents - DVN-E46HRS12V

	<a href="#">Dynavin E46/E39/E53 Quick Manual &amp; Installation Guide</a> This guide provides essential information for installing and operating Dynavin infotainment systems in BMW E46, E39, and E53 models. It covers wiring diagrams, software updates, navigation map management, and access to user manuals.
	<a href="#">Dynavin N7 Pro Firmware Update Instructions v3.0.6.0</a> Official instructions for updating the Dynavin N7 Pro firmware to version 3.0.6.0. This guide is for European BMW, Audi, Mercedes, Porsche, and VW models, including MCU version details.
	<a href="#">Dynavin DVN V2 Wiring Diagram and Camera Setup Guide</a> Comprehensive wiring diagram and installation guide for the Dynavin DVN V2 car infotainment system. Details connections for front and rear cameras, radio ports, and essential setup steps including firmware requirements.

	<p><a href="#">Dynavin Quick Manual: Installation and Wiring Guide</a></p> <p>Concise guide for installing and wiring Dynavin infotainment systems, featuring a universal wiring diagram, system setup instructions, and support resources.</p>
	<p><a href="#">Dynavin Quick Manual - Peugeot Installation and Wiring Guide</a></p> <p>Concise quick manual for Dynavin head units in Peugeot vehicles, covering installation, wiring diagrams, and support resources. Includes links to video guides and user manuals.</p>
	<p><a href="#">Dynavin 8 Quick Manual for Renault Vehicles</a></p> <p>A concise guide to installing and using the Dynavin 8 system in Renault vehicles, including navigation map updates, system reboot instructions, and support resources.</p>