

## Bravo 15 A4DDR/A4DCR MS-16WK

# Instruction Manual for Generic MSI Bravo 15 Laptop Keyboard

Model: Bravo 15 A4DDR / 15 A4DCR / MS-16WK

## INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your new replacement laptop keyboard. This keyboard is designed for specific MSI Bravo 15 series laptops, including models A4DDR, A4DCR, and MS-16WK, featuring monochrome backlighting and a Canada (CA) layout. Please read this manual thoroughly before attempting installation or use to ensure proper function and to prevent damage to your device.

## SAFETY INFORMATION

- Always disconnect the laptop's power adapter and battery before performing any installation or maintenance.
- Handle the keyboard and internal laptop components with care to avoid static discharge damage. Consider using an anti-static wrist strap.
- Keep small parts, such as screws, away from children.
- If you are unsure about any step, seek assistance from a qualified technician.
- Do not expose the keyboard to liquids or extreme temperatures.

## PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x Replacement Laptop Keyboard for MSI Bravo 15 (Monochrome Backlit, Canada CA Layout)

*Note: Installation tools, if required, are typically not included and must be acquired separately.*

## SETUP AND INSTALLATION

Installing a laptop keyboard is an intricate process that often requires partial disassembly of the laptop. It is highly recommended to consult your laptop's official service manual or seek professional assistance if you are not experienced with laptop hardware replacement.

**General Installation Steps (Consult your laptop's specific service manual for detailed instructions):**

1. **Preparation:** Power off your laptop completely, disconnect the AC adapter, and remove the battery.

2. **Disassembly:** Carefully open the laptop casing. This may involve removing screws from the bottom, back, or even under the existing keyboard bezel.
3. **Old Keyboard Removal:** Disconnect the ribbon cables connecting the old keyboard to the motherboard. Gently pry or unscrew the old keyboard from its housing.
4. **New Keyboard Installation:** Position the new keyboard into the laptop's frame. Ensure it sits flush.
5. **Connect Cables:** Carefully connect the keyboard's ribbon cables (main keyboard and backlight, if separate) to their respective connectors on the motherboard. Ensure they are securely latched.
6. **Reassembly:** Reassemble the laptop casing, ensuring all screws are tightened appropriately and no cables are pinched.
7. **Testing:** Reconnect the battery and AC adapter. Power on the laptop and test all keys, including function keys and backlight functionality.



Image: The replacement laptop keyboard, featuring the Canada CA layout and monochrome backlighting.

## OPERATING INSTRUCTIONS

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### Basic Keyboard Use:

The keyboard functions as a standard Canada (CA) layout keyboard. All keys should respond as expected for typing and system commands.

Monochrome Backlight Control:

This keyboard features a monochrome backlight. The backlight functionality is typically controlled via specific function key combinations on your MSI laptop. Common combinations include:

- **Fn + F10** (or similar F-key with a keyboard icon): To toggle the backlight on/off or adjust brightness levels.
- **Fn + Page Up / Page Down**(or arrow keys): Some models use these combinations for brightness adjustment.

Refer to your MSI laptop's user manual for the exact key combination to control the keyboard backlight.

MAINTENANCE

- **Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a mild electronics cleaner to wipe the keycaps. Avoid spraying liquids directly onto the keyboard.
- **Dust Removal:** Use compressed air to remove dust and debris from between the keys. Hold the can upright to prevent propellant discharge.
- **Avoid Spills:** Keep liquids away from the keyboard to prevent damage to internal components.

TROUBLESHOOTING

Problem	Possible Solution
Keyboard not responding / Some keys not working	<ul style="list-style-type: none"><li>◦ Ensure ribbon cables are securely connected to the motherboard.</li><li>◦ Restart your laptop.</li><li>◦ Check device drivers in your operating system.</li><li>◦ If only some keys are affected, it might indicate a faulty keyboard; consider re-installation or replacement.</li></ul>
Backlight not working	<ul style="list-style-type: none"><li>◦ Ensure the backlight ribbon cable (if separate) is properly connected.</li><li>◦ Use the correct Fn key combination to activate/adjust the backlight (refer to your laptop's manual).</li><li>◦ Check if the backlight feature is enabled in your laptop's BIOS/UEFI settings.</li></ul>
Keys feel sticky or unresponsive	<ul style="list-style-type: none"><li>◦ Clean the keyboard thoroughly using compressed air and a damp cloth.</li><li>◦ Ensure no debris is lodged under the keycaps.</li></ul>

SPECIFICATIONS

- **Compatibility:** MSI Bravo 15 A4DDR, 15 A4DCR, MS-16WK
- **Layout:** Canada (CA)

- **Backlight:** Monochrome
- **Color:** Grey (No Frame)
- **Product Dimensions:** 11.81 x 7.87 x 3.94 inches
- **Item Weight:** 2.2 pounds
- **Manufacturer:** Generic
- **ASIN:** B0CLTLMTDC

## WARRANTY INFORMATION

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This product comes with a **90-day warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

For warranty claims, please retain your proof of purchase and contact the seller directly.

## SUPPORT

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If you encounter any issues not covered in this manual or require further assistance, please contact the seller through the platform where the purchase was made. Provide your order number and a detailed description of the problem for efficient support.