

Brandmotion FLTW-7690

Brandmotion FLTW-7690 Universal 4.3-inch Display Rear View Mirror Instruction Manual

Model: FLTW-7690

1. INTRODUCTION

The Brandmotion FLTW-7690 Universal 4.3-inch Display Rear View Mirror is designed to enhance driving safety by providing a clear view of the area behind your vehicle when connected to an aftermarket backup camera. This mirror replaces your traditional rear view mirror and features an embedded 4.3-inch LCD color screen that automatically activates when the vehicle is in reverse. When not in reverse, the screen disappears, allowing the mirror to function as a standard rear view mirror. This manual provides essential information for proper installation, operation, and maintenance of your new display mirror.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** For optimal performance and safety, professional installation is strongly recommended.
- **Aftermarket Camera Required:** This product is not a complete solution and requires an aftermarket backup camera (not included) for its display functionality.
- **Vehicle Compatibility:** Designed for most vehicles utilizing a D-Tab Wedge mount. Some vehicles may require an adapter (e.g., Brandmotion 5000-TFAB). Verify fitment before final installation.
- **Non-Dimming Mirror:** This is a non-dimming display mirror.
- **Not OnStar Compatible:** This mirror is not compatible with OnStar systems.
- **Wiring:** Ensure all wiring is correctly connected and secured to prevent interference or damage.
- **Power Source:** Operate within the specified 9-24V operating voltage range.

3. PACKAGE CONTENTS

Please verify that all items are present before beginning installation:

- One (1) Brandmotion 4.3-inch Display Mirror (FLTW-7690)
- Wiring Harness with RCA Inputs and Trigger Wires
- Mounting Hardware (if applicable, typically for D-Tab Wedge mount)



Image: The Brandmotion FLTW-7690 display mirror shown with its included wiring harness and mounting accessories.

4. PRODUCT OVERVIEW

The Brandmotion FLTW-7690 mirror integrates a 4.3-inch LCD screen into a standard rear view mirror housing. Key features include:

- **4.3-inch Embedded LCD Screen:** Provides a clear, full-color display (800x400 resolution, 420p) for backup camera feed.
- **Automatic Activation:** Screen automatically turns on when the vehicle is shifted into reverse.
- **Disappearing Display:** Screen becomes invisible when not in use, functioning as a standard mirror.
- **Two RCA Inputs:** Allows connection of up to two video sources (e.g., front and rear cameras).
- **On/Off Button:** For manual control of the display.



Image: Front view of the Brandmotion FLTW-7690 mirror showing the 4.3-inch embedded display with a backup camera feed. Note the power button below the mirror surface.



Image: Rear view of the Brandmotion FLTW-7690 mirror, illustrating the mounting arm and the wiring exiting the unit.

5. INSTALLATION

Estimated Installation Time: DIY: 60-90 minutes; Professional: 30-60 minutes.

5.1 Pre-Installation Checks

- Ensure your vehicle uses a standard D-Tab Wedge mount. An adapter (Brandmotion 5000-TFAB) may be required for some vehicles.
- Confirm you have an aftermarket backup camera ready for connection.
- Disconnect the vehicle's battery before starting any electrical work.

5.2 Mounting the Mirror

1. Carefully remove your vehicle's existing rear view mirror from its D-Tab Wedge mount.
2. Slide the Brandmotion FLTW-7690 mirror onto the existing D-Tab Wedge mount until it is securely seated.
3. Tighten any set screws or locking mechanisms on the mirror mount to ensure stability.

5.3 Wiring Connections

1. **Power Connection:** Connect the mirror's power wire (typically red) to a switched 12V power source in your vehicle. Connect the ground wire (typically black) to a suitable chassis ground point. Ensure the operating voltage is within 9-24V.
2. **Backup Camera Video Input:** Connect the RCA video output cable from your aftermarket backup camera to one of the RCA input jacks on the mirror's wiring harness. The mirror has two RCA inputs.
3. **Reverse Trigger Wire:** Connect the mirror's reverse trigger wire (often purple or green) to your vehicle's reverse light circuit. This wire signals the mirror to activate the display when the vehicle is in reverse.
4. **Route Wiring:** Carefully route all wiring behind trim panels and headliner to conceal it and prevent interference with vehicle operation. Secure wiring with zip ties or electrical tape as needed.



Image: A diagram illustrating the typical wiring connections for the Brandmotion display mirror, including power, ground, video input, and reverse trigger.

5.4 Post-Installation Check

1. Reconnect the vehicle's battery.
2. Start the vehicle and shift into reverse. The 4.3-inch display should activate and show the backup camera feed.
3. Shift out of reverse. The display should turn off and disappear.
4. Test the On/Off button for manual display control.

6. OPERATING INSTRUCTIONS

- **Automatic Display Activation:** When the vehicle is shifted into reverse, the 4.3-inch LCD screen embedded in the mirror will automatically activate, displaying the video feed from the connected backup camera.
- **Automatic Display Deactivation:** When the vehicle is shifted out of reverse, the LCD screen will automatically turn off and become invisible, allowing the mirror to function as a standard rear view mirror.
- **Manual Display Control:** Use the On/Off button located on the bottom of the mirror housing to manually turn the display on or off, regardless of the vehicle's gear selection.
- **Parking Gridlines:** This mirror does not provide parking gridline overlays. If gridlines are desired, they must be supplied by your aftermarket backup camera.



See The Big Picture

The **Brandmotion 4.3" Color Display Mirror** provides the driver with a view from the installed backup camera with its crystal clear 4.3" embedded LCD screen.



Image: The Brandmotion FLTW-7690 mirror as seen from the driver's perspective, with the backup camera display active and showing parking assist lines (if provided by the camera).

7. MAINTENANCE

- **Cleaning the Mirror Surface:** Use a soft, lint-free cloth and a non-abrasive glass cleaner to clean the mirror surface. Do not spray cleaner directly onto the mirror; apply it to the cloth first.
- **Cleaning the Housing:** Wipe the mirror housing with a damp cloth. Avoid harsh chemicals or solvents.
- **Wiring Inspection:** Periodically check all wiring connections to ensure they are secure and free from damage.
- **Camera Maintenance:** Refer to your aftermarket backup camera's manual for its specific cleaning and maintenance instructions.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display does not turn on in reverse.	No power to the mirror; reverse trigger wire not connected or faulty; faulty backup camera; loose video connection.	Check power and ground connections. Verify reverse trigger wire is correctly connected to the reverse light circuit. Ensure backup camera is powered and functioning. Check RCA video cable connection.

Problem	Possible Cause	Solution
Display shows "No Signal" or a black screen.	Backup camera not powered; loose video connection; incorrect video input selected (if applicable).	Verify backup camera power. Check RCA video cable connection at both the camera and the mirror. Ensure the correct video input is active.
Image is distorted or flickering.	Poor video connection; electrical interference; faulty camera or mirror.	Check all video connections for tightness. Ensure wiring is routed away from high-voltage cables. Test with a different video source if possible.
Mirror does not fit vehicle mount.	Incorrect mount type for vehicle.	An adapter (e.g., Brandmotion 5000-TFAB) may be required. Consult a professional installer or Brandmotion support.

9. SPECIFICATIONS

- **Model:** FLTW-7690
- **Screen Size:** 4.3 inches
- **Display Resolution:** 800 x 400 (420p)
- **Aspect Ratio:** 4:3
- **Video Format:** NTSC
- **Video Inputs:** 2 x RCA (with trigger wires)
- **Operating Voltage:** 9-24V
- **Mirror Type:** Non-dimming display mirror
- **Mount Type:** Standard D-Tab Wedge Mount
- **Dimensions (Product):** 12 x 6 x 4 inches (approximate)
- **Weight:** 1.8 lbs (approximate)
- **UPC:** 858216004790

10. WARRANTY AND SUPPORT







For warranty information, please refer to the documentation included with your purchase or visit the official Brandmotion website. For technical support or assistance with installation, please contact Brandmotion customer service directly.

Brandmotion Contact Information:

Website: www.brandmotion.com

(Specific contact details like phone number or email may vary and are best found on the official website.)

Related Documents - FLTW-7690

	<p>Brandmotion FVMR-2000 Digital 2 Input Mirror Installation Guide</p> <p>Comprehensive installation instructions for the Brandmotion FVMR-2000 Digital 2 Input Mirror. Learn how to attach, power, wire, and test your new mirror system, compatible with 1080p AHD cameras.</p>
	<p>Brandmotion FVMR-2000 Digital 2 Input Mirror Installation Guide</p> <p>Step-by-step instructions for installing the Brandmotion FVMR-2000 Digital 2 Input Mirror, covering kit contents, recommended tools, wiring, and testing.</p>
	<p>Brandmotion Application Guide: Vehicle Compatibility for Rear Vision and Mirror Systems</p> <p>The Brandmotion Application Guide provides essential compatibility information for automotive rear vision systems, auto-dimming mirrors, and related accessories. This guide helps users find the correct Brandmotion products for specific vehicle makes, models, and years, ensuring seamless integration and enhanced vehicle safety and convenience.</p>
	<p>Brandmotion Rear Vision Application Guide: Cameras & Mirrors</p> <p>Comprehensive application guide from Brandmotion detailing compatible rear-view cameras, mirrors, and related accessories for a wide range of vehicle makes and models.</p>
	<p>Brandmotion Infrared Dual Mount Universal CMOS Camera Installation Instructions (Kit 9002-7611)</p> <p>Detailed installation guide for the Brandmotion Infrared Dual Mount Universal CMOS Camera Kit 9002-7611, including parts list, tools needed, safety precautions, and step-by-step instructions for mounting and wiring.</p>
	<p>Brandmotion FVMR-1181 FullVUE Rear Camera Mirror Installation Guide for Ford F-150 & Super Duty</p> <p>Comprehensive installation guide for the Brandmotion FVMR-1181 FullVUE Rear Camera Mirror, designed for Ford F-150 (2015-Current) and Super Duty (2017-Current) vehicles. Includes kit contents, tools, and step-by-step instructions.</p>



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INSTALLATION INSTRUCTIONS 4.3 display Mirror w/ 2 dual video inputs Kit # **FLTW-7690** Please read thoroughly before starting installation and check that kit contents are complete. Items Included in the Kit: Rear View mirror Power/Video harness D-tab only use it you don t have a factory mounted ...

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June 2020 PRICE GUIDE					
7245 10-1000 - www.brandmotion.com - www.crutchfield.com					
ITEM #	ITEM NAME	QTY	PRODUCT DESCRIPTION	UNIT PRICE	TOTAL PRICE
Mirror & Display Accessories					
7690-100	4.3" display Mirror w/ 2 dual video inputs	1	4.3" display Mirror w/ 2 dual video inputs	\$249.95	\$249.95
7690-101	Power/Video harness	1	Power/Video harness	\$249.95	\$249.95
7690-102	D-tab	1	D-tab	\$249.95	\$249.95
7690-103	Wire guide for mirror to headliner	1	Wire guide for mirror to headliner	\$249.95	\$249.95
7690-104	These instructions	1	These instructions	\$249.95	\$249.95
Mirror & Display Accessories					
7690-105	4.3" display Mirror w/ 2 dual video inputs	1	4.3" display Mirror w/ 2 dual video inputs	\$249.95	\$249.95
7690-106	Power/Video harness	1	Power/Video harness	\$249.95	\$249.95
7690-107	D-tab	1	D-tab	\$249.95	\$249.95
7690-108	Wire guide for mirror to headliner	1	Wire guide for mirror to headliner	\$249.95	\$249.95
7690-109	These instructions	1	These instructions	\$249.95	\$249.95
Mirror & Display Accessories					
7690-110	4.3" display Mirror w/ 2 dual video inputs	1	4.3" display Mirror w/ 2 dual video inputs	\$249.95	\$249.95
7690-111	Power/Video harness	1	Power/Video harness	\$249.95	\$249.95
7690-112	D-tab	1	D-tab	\$249.95	\$249.95
7690-113	Wire guide for mirror to headliner	1	Wire guide for mirror to headliner	\$249.95	\$249.95
7690-114	These instructions	1	These instructions	\$249.95	\$249.95
Mirror & Display Accessories					
7690-115	4.3" display Mirror w/ 2 dual video inputs	1	4.3" display Mirror w/ 2 dual video inputs	\$249.95	\$249.95
7690-116	Power/Video harness	1	Power/Video harness	\$249.95	\$249.95
7690-117	D-tab	1	D-tab	\$249.95	\$249.95
7690-118	Wire guide for mirror to headliner	1	Wire guide for mirror to headliner	\$249.95	\$249.95
7690-119	These instructions	1	These instructions	\$249.95	\$249.95
Mirror & Display Accessories					
7690-120	4.3" display Mirror w/ 2 dual video inputs	1	4.3" display Mirror w/ 2 dual video inputs	\$249.95	\$249.95
7690-121	Power/Video harness	1	Power/Video harness	\$249.95	\$249.95
7690-122	D-tab	1	D-tab	\$249.95	\$249.95
7690-123	Wire guide for mirror to headliner	1	Wire guide for mirror to headliner	\$249.95	\$249.95
7690-124	These instructions	1	These instructions	\$249.95	\$249.95

Brandmotion June 2020 Price Guide: Automotive Safety and Vision Systems

Official June 2020 price guide from Brandmotion, detailing a wide range of automotive aftermarket products including blind spot monitoring, collision avoidance, parking sensors, rear vision cameras, LCD displays, towing cameras, wireless charging solutions, and CAN decoding tools.

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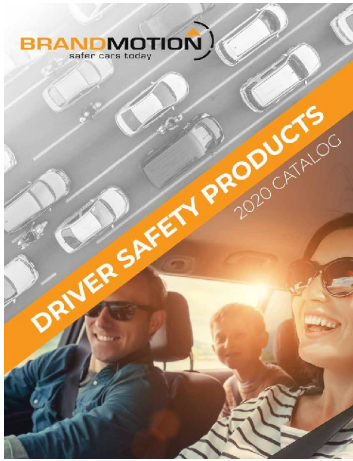
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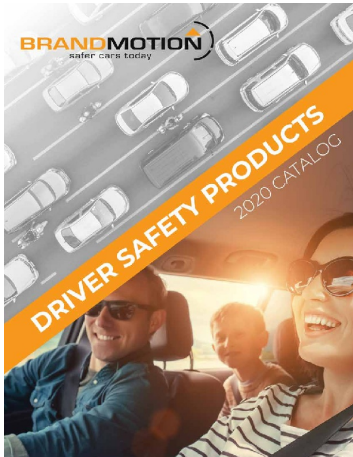
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