



3 In—3 Out A/V Selector

MODEL VS102

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NON-TRANSFERABLE LIMITED CONSUMER WARRANTY

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Directed Electronics, Inc. (Directed) promises to the original purchaser that the automotive video monitor and/or source unit(s) (the Product), excluding accessories, purchased and installed from a Directed authorized dealer within the ninety (90) days after purchase of the new vehicle, in which the Product is installed, is free from defects in materials or workmanship under normal use and conditions for a period of three (3) years from date of purchase or the first 36,000 miles as registered on the new vehicle's odometer reading at time of delivery of the Product for warranty service, whichever occurs first. Product purchased or installed more than ninety (90) days after the new vehicle is purchased are warranted for a period of one (1) year from date of purchase of the Product.

Directed promises to the original purchaser that all video accessories will be free from defects in materials and workmanship under normal use and condition for a period of ninety (90) days after the date of purchase. A sales receipt and/or warranty registration card is required to provide proof of date of purchase of the Product or accessories.

Should the Product be determined defective during the applicable warranty period, the Product will be repaired or replaced with a new or comparable reconditioned part(s), at Directed's option. To obtain warranty service, the Product must be returned to a Directed authorized dealer along with proof of purchase and installation.

Note: This warranty does not cover labor costs for the removal and reinstallation of the Product. **IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR PRODUCT MUST BE SHIPPED WITH PROOF OF PURCHASE AND INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION WILL BE DENIED.**

This warranty is non-transferable and does not apply to any Product that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the Product caused by installation or removal of the Product. This warranty is **VOID** if the product has been damaged by accident or unreasonable use, negligence, acts of God, neglect, improper service or other causes not arising out of defect in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak television reception, damage to tapes, video games, software, camcorders, discs, speakers, accessories or vehicle electrical systems, cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, windstorms, lightning or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, use of a faulty tape cartridge or cleaning of the VCR head, or Product which has been opened or tampered with for any reason or which has been damaged due to alteration or service performed by anyone other than Directed Electronics, Inc.

ALL WARRANTIES INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND WARRANTY OF NON-INFRINGEMENT OF INTELLECTUAL PROPERTY ARE EXPRESSLY EXCLUDED TO THE MAXIMUM EXTENT ALLOWED BY LAW, AND DIRECTED NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT. DIRECTED HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS LICENSED DEALERS OR INSTALLERS. IN NO EVENT WILL DIRECTED ELECTRONICS, INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES (INCLUDING LOSS OF PROFITS), BY PURCHASING THIS PRODUCT, THE CONSUMER AGREES AND CONSENTS THAT ALL DISPUTES BETWEEN THE CONSUMER AND DIRECTED SHALL BE RESOLVED IN ACCORDANCE WITH CALIFORNIA LAWS IN SAN DIEGO COUNTY, CALIFORNIA.

Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitations of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

Important Notes

1. Before operating your A/V selector, please read these instructions carefully.
2. Retain this manual for future reference.
3. Do not remove any WARNING stickers on the unit.
4. Ensure that A/V selector is mounted in an area where foreign objects or condensation can intrude into the selector.
5. This unit is designed to operate off 12VDC (vehicle battery). Verify the battery voltage of the vehicle prior to installation.
6. Ensure that all wiring is properly connected before operating the unit.
7. The engine of the vehicle should be left running when operating the A/V selector, to preclude running the battery down.
8. Mount the A/V selector switch in an area that does not interfere with the driver's operation of the car and in an area that will not injure the driver or passengers during an accident.
9. Do not disassemble the unit. There are no serviceable parts within the unit.
10. Before replacing a blown fuse, turn the unit off and disconnect all power. Ensure the replacement fuse is of the same rating as the fuse being replaced.
11. If during operation the unit overheats or malfunctions, turn off the power and contact your dealer. Do NOT disassemble the unit, there are no user serviceable parts in the unit.
12. The rated operating temperature range of the unit is 0° to 70° C. Cool or warm the vehicle to within this temperature range prior to unit operation.

What is Included

- A/V selector VS102
- Source selector (qty 1)
- 2-IR extension cables (80")
- Power harness
- 2-DIN cables
- 1-IR extension cable (195")

Introduction

Congratulations on your purchase of the world's finest video entertainment system component. At Directed we are committed to bringing you the most technologically advanced products available. We are pleased that you chose a Directed Video product. Through years of critical testing and hand craftsmanship, we have created a wide range of video entertainment products for your viewing pleasure.

To view other great products from Directed Electronics, please visit the Directed Video page at www.directed.com.

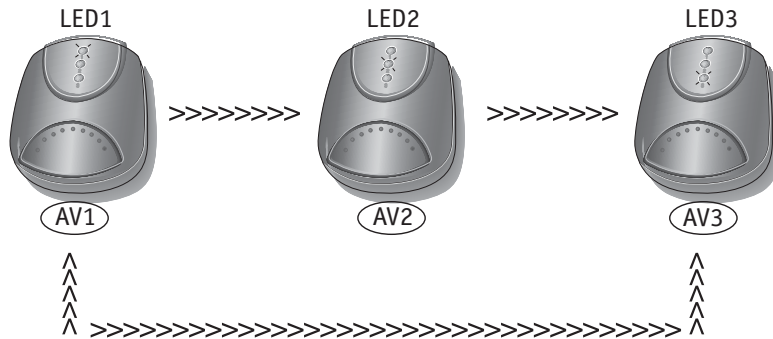
Features

This unit provides a 3-input and 3-output A/V selector system, with 3 hard wire remotes. The system is designed so that each monitor can independently control the video sources

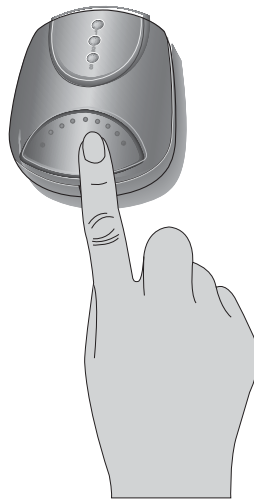
- A/V Inputs (AV1, AV2, AV3)—RCA
- A/V Source Selector Switches
- A/V Outputs (AV1, AV2)—DIN
- Low power consumption
- A/V Output (AV3)—RCA
- Soft-Touch Selector
- Auto lock-out when driving
- Auto Turn Off with ignition switch
- 3 Remote Sensor inputs for source control

Operation

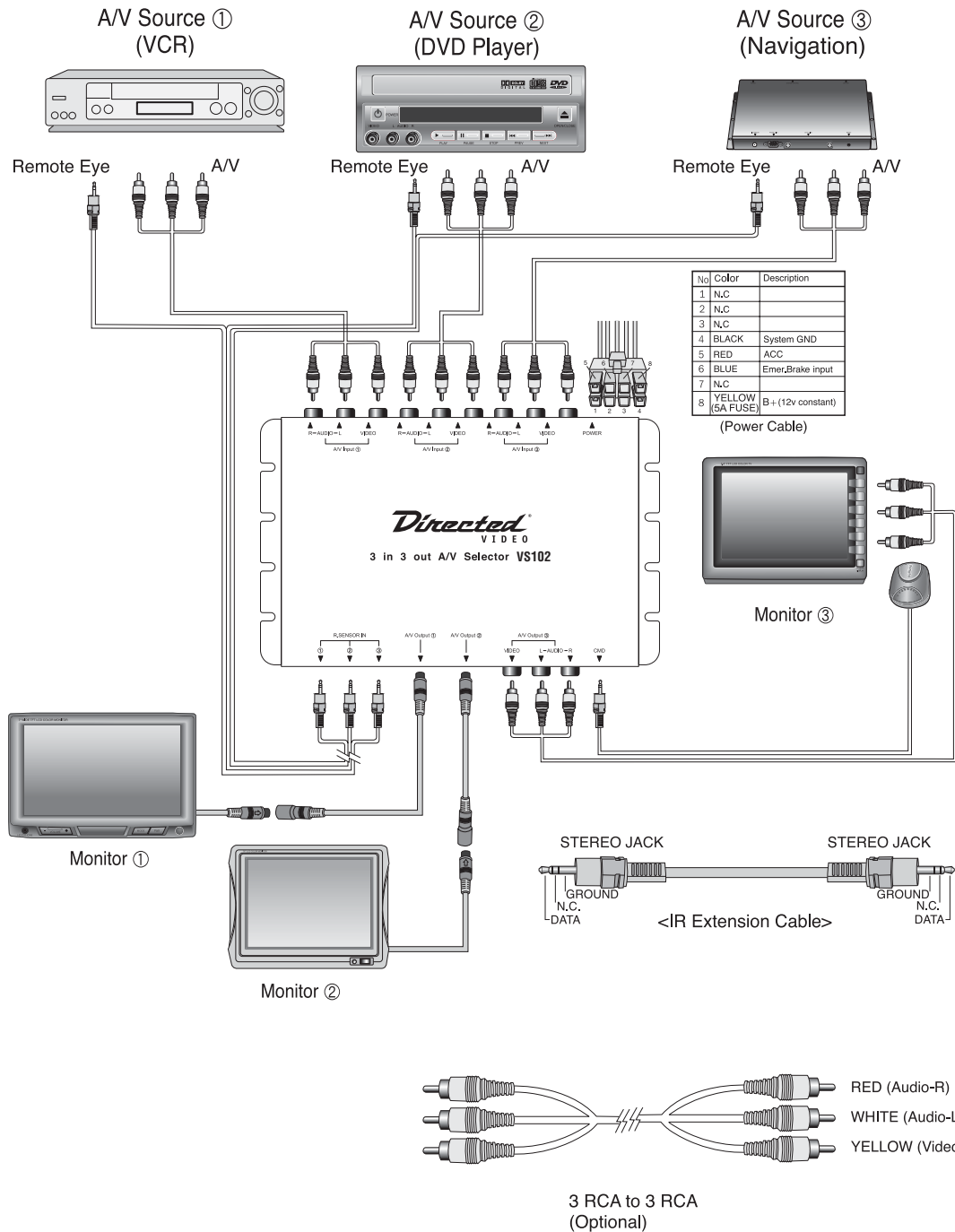
Pressing the button on the remote source selector switch will scroll the LED down consecutively. Each LED represents the video input source to be displayed to the video monitors.



<A/V Source Select>



Wiring Reference Guide



NOTE: The BLUE wire of the Power Harness connects to the emergency brake. All A/V outputs are **enabled only when this wire is grounded.**

The 5A fuse, that is referenced on the POWER CABLE wiring chart, is located inside the attached noise filter box.

Specifications

Operating voltage	DC 12V (9V–16V)
Operating current	230mA max @ 12V (add 750mA for each monitor connected)
Idle current	27mA max
Operation temperature range	0° to +70°C
Audio input	0.5–2.2 Vrms \pm 5mVrms (33K Ω load)
Audio output	0.5–2.2 Vrms \pm 50mVrms (33K Ω load)
Video input	1.0 V p-p \pm 5 V p-p (75 Ω load)
Video output	1.0 V p-p \pm 5 V p-p (75 Ω load)
Signal-to-noise ratio	-60dB or greater
Function separation	-45dB or greater
Frequency response	20Hz \pm 1.0dB 100Hz \pm 0.5dB 1KHz 0dB (standard) 10Khz \pm 0.5dB 20Khz \pm 3.0dB
Audio L/R separation	-55dB or greater
Audio L/R balance	\pm 1dB or lower
Dimensions	7.6(W) x 5.4(H) x 1.1(D) inches 192(W) x 136(H) x 29(D) mm
Weight (main unit)	1.3 lbs (570 grams)
Weight (source selector)	6 oz (55 grams) (each)

NOTE: Specifications are subject to change without notice.

The company behind this system is Directed Electronics.

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security, car stereo products, rear seat entertainment, and accessories available. The recipient of more than 20 patents in the field of advanced electronic technology, Directed is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

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